

1997

EC 97-104-A Nebraska Soybean Variety Tests

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NEBRASKA SOYBEAN VARIETY TESTS

1997

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EXTENSION CIRCULAR 97-104

NEBRASKA SOYBEAN VARIETY TESTS

December 1997

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Tests were supported in part by fees collected from entrants. A grant from the Nebraska Soybean Development Utilization and Marketing Board enabled the purchase of planting and harvesting equipment needed for conduct of East Central, Southeast, and South Central trials. Soybean check-off grants also support variety trials conducted by the Soybean Breeding Project and sprinkler irrigation experiments established by the West Central

Research and Extension Center. Acknowledgment is made to farmers who furnished land for experiments (Table A page 11); also to extension agents and other I.A.N.R. personnel who assisted with the tests.

This year a table is included showing chlorosis readings. This table begins on page 15. The authors wish to acknowledge the assistance of Dr. George Graef for planting and evaluating the chlorosis plot.

The authors wish to recognize the contributions of the technical staff: Greg Dorn, John Eis, George Hoffmeister, Ralph Klein, Jeff Golous, and Lisa Lunz. Also, we acknowledge the State Climate Program at the University of Nebraska-Lincoln for providing climate data and information used in this study.

METRIC EQUIVALENTS

1 centimeter = 0.394 inches cm = inches x 2.54
 1 hectare = 2.471 acres ha = acres x 0.405
 1 kilogram = 2.205 pounds kg = pounds x 0.454
 1 hectoliter = 2.838 bushels hl = bushels x 0.352
 Kilogram/hectare (kg/ha) = bu/A x 67.26 (60# bushel)

EXTENSION CIRCULAR

97-104

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NEBRASKA SOYBEAN VARIETY TESTS

1997

The November 1997 estimated soybean yield for Nebraska was 40 bushels per acre from 3,450,000 harvested acres. The 40 bushels per acre was 7 bushel lower than the previous 1994 record of 47 bushels per acre. The total production of soybeans for the state was a record 138,000,000 bushels. This was 2.55 million bushel above the 1996 record production. There was also a record 3.45 million acres planted last spring. This is a million more acres planted than just 6 years ago. These estimates are from the November Nebraska Agricultural Statistics Service.

As of June 1st soybean planting was 84% complete, this was well ahead of last years 51% and the five year average of 65%. The crop was also 51% emerged compared with 23% last year and 29% for the five year average. As of August 24th soybean condition rated at 2% very poor, 8% poor, 33% fair, 49% good, and 8% excellent. Pod set progressed to 98%, ahead of last years 93% and the five year average of 88%. As of October 26th harvest neared completion and was 91% complete, behind last years 97% and 93% for the five year average. Some producers are waiting for a freeze to make harvest easier.

PROCEDURE

Data were obtained from 13 trials at 8 locations (Table A). Publicly released entries were included at all sites and planted with seed supplied by the Nebraska Foundation Seed Division. Privately developed varieties or blends were included in trials at all locations also. Privately developed varieties were selected by the seed supplier. At five locations, entries were divided into early and late maturing varieties for convenience in handling. A list of entries by brand name is shown in Table B. Names and addresses of entrants are shown in Table C.

Entries were planted in four-row plots 15 to 35 feet long. Plots were replicated four times in a randomized complete block design. In the Southeast, South Central and Northeast districts, a planting rate of 8.5 seeds per foot in 30-inch rows (148,100 seeds per acre) was used unless a higher or lower rate was requested

by the entrant. In the West Central plots were seeded with an air seeder which planted the same number of seeds for each plot. The population in Furnas County was 223,000 seeds/a.

At harvest, two rows 10 to 30 feet long were threshed for yield. Reported yields are corrected to 13% moisture. Plots were rated mature when 95% of the pods have reached their mature pod color. Five to ten days of drying weather are required after "maturity" before the soybeans have less than 15% moisture.

Plant height is the average length in inches of plants from the ground to the tip of the main stem at the time of maturity. Lodging is rated at maturity according to the following scores: 1 = Almost all plants erect, 2 = All plants leaning slightly, or a few plants down, 3 = All plants leaning moderately (45°), or 25% to 50% of the

plants down, 4 = All plants leaning considerably, or 50% to 80% of the plants down, 5 = Almost all plants down.

Protein and oil content were obtained at 8 locations in 1997. These are reported on a 13% moisture basis and will appear lower than many reported figures. Conversions can be made to 0% by multiplying the protein or oil by 1.15. Estimated Processed Value (EPV) is calculated from the protein and oil content and the January, 1997 Chicago Board of Trade futures prices for soybean oil

(\$0.234/lb.) and 44 percent protein soybean meal (\$220.50/ton) on Sept. 1 1996. EPVA is calculated on an acre basis by multiplying the yield (bu/acre) times the EPV/bu. The University of Nebraska Soil and Plant Analytical Lab did the protein and oil content analyses and we thank them for their cooperation.

The rainfall and temperature data were obtained from the nearest weather station. These data were furnished by the Department of Agricultural Meteorology and the data are reported on pages 46-47.

PERFORMANCE

Entries generally are listed in tables in order of decreasing yield. Average performance of varieties included in trials for five years in each area is shown in Table D. These data give an indication of year effects on yield, maturity, lodging, plant height and seed size.

Performance of entries cannot be measured with absolute accuracy because of variations in moisture, soil fertility and other factors. For this reason small yield differences have little significance. Differences required for significance are shown in each table at the 5% and 25% levels. This means that differences this great would be expected through chance alone in 1 of 20 or 1 of 4 trials, respectively. A simple way of thinking of these differences is that if all the plots had been the same variety, that

would be the difference that would have been measured. In zones with multiple locations, the top variety in each location is marked with a ** and those varieties not significantly different than the top variety are marked with a *. Many soybean varieties have similar yield potentials. Early maturing varieties are favored in some seasons and later maturing varieties in others. Period-of-years averages provide a measure of performance over a range of environmental conditions.

Period-of-years data for varieties include two-, three-, four-, and five-years averages. When comparing varieties, it is important to observe their performance for more than one year. Comparisons are best if they are done over the largest possible number of years.

RESULTS AT INDIVIDUAL LOCATIONS

Northeast (Pages 20 - 23)

One test was planted in Dixon County with sixty three varieties entered in it. The plot was planted May 23rd in warm

dry soil, just prior to a five inch rain at the end of May. The rest of the growing season was hot and humid with very little rainfall. The plot averaged 37.7 bushels per acre.

East/South Central (Pages 24 - 33)

Six tests at three locations were planted in Saunders, Adams, and Furnas Counties. The Saunders County test was planted May 23rd and harvested October 9th and 10th. Soil conditions were warm and dry at planting time, but a nice rain at the end of May got the beans up and going. Rain was scarce during the growing season with the beans staying short. The early varieties averaged 38.5 bushels per acre and the lates averaged 36.4 bushels per acre. At Adams County the field was surface planted into corn residue on May 12th. The plot has been in a two year corn - soybean rotation with soybean inoculant applied each rotation. The plot was furrow irrigated in 36 inch rows 25 feet long. The early maturing varieties averaged 58.9 bushels per acre and the late maturing varieties averaged 60.4 bushels per acre. The Furnas County test was planted May 8th and harvested October 7th.

This test was furrow irrigated and had been corn for the last two years. The plot received destructive hail on June 11th with 50 to 60% stand loss. The early varieties averaged 50.3 bushels per acre and the lates averaged 51.6 bushels per acre.

Southeast (Pages 34 - 40)

There were four tests at two locations in Nemaha and Clay County. The Nemaha

County test was planted May 13th and harvested October 3rd and 6th. Soil conditions were very good at planting time. Rainfall was limited during the growing season. But timely rains in July and August helped the early varieties to average 47.5 bushels per acre and the late maturing group averaged 54.6 bushels per acre. The Clay County test was ridge planted May 9th into corn residue. The plots were in 4, 30 inch rows 20 feet long. The early varieties averaged 60.5 bushels per acre and the lates averaged 61.7 bushels per acre.

Central Irrigated (Pages 41 - 43)

One test was planted in Valley County. The Valley County test was planted May 15th and harvested October 21st and 22nd. This test was planted into soybean residue in 36 inch rows and furrow irrigated. This test averaged 62.3 bushels per acre.

Roundup Ready (Page 44 - 45)

There was one test at Clay County with 52 varieties entered. The previous crop was corn. This test was ridge planted May 9th and harvested October 10th. Two applications of Roundup were applied June 18th and July 21st. This test was irrigated and averaged 57.5 bushels per acre.

CULTURAL PRACTICES

Dixon: Crop history: 1996: corn. The herbicides used were 1.5 pt Treflan PPI and 1.3 pt Command, 6 oz of Select were post applied with 1 qt/25 gal of COC. Tillage program: conventional-till

Adams: Crop history: 1995: soybeans; 1996: corn. Herbicide: 2 qt Treflan plus Broadstrike PPI, 1 qt Lasso + 3 oz Canopy + ¼ pint Command banded. Tillage program: conventional-till.

Clay: Crop history: 1995: soybeans; 1996: corn. The herbicides used were 7 oz Canopy + 2 pt. Dual II. Tillage program: Ridge-till.

Valley: Crop history: 1995: corn; 1996: soybeans. Herbicide: 1.8 pts Prowl PPI, 4 oz Pursuit and 6 oz Select post. Tillage program: conventional-till.

Nemaha: Crop history: 1995: soybeans; 1996: corn. Herbicide: Authority. Tillage program: conventional-till. Hand weeded as needed.

Saunders: Crop History: 1995: soybeans; 1996: Corn. Herbicide: 1.5oz Pursuit + 6 oz Status + 4 oz Fusilade post. Tillage program: conventional-till. This test was hand weeded as needed.

Furnas: Crop history: 1995: corn; 1996: corn. Herbicide: Pursuit Plus at 2.5 pts/a. Tillage program: conventional-till.

Roundup: Crop history: 1995: Soybeans; 1996: corn. Herbicide: 1.5 pt Roundup Ultra + 4.25 lbs AMS/50 gal water. Tillage program: ridge-till.

NEBRASKA SOYBEAN PRODUCTION

The following data were obtained from Nebraska Agricultural Statistics.
In 1940, 13,000 acres of soybeans also were cut for hay.

Year	Harvested acres (ha) 000	Average yield bushels (kg/ha)	Production bushels (metric tons) 000
1940	4 (2)	14.0 (942)	56 (2)
1950	50 (20)	24.0 (1614)	1,200 (33)
1955	180 (73)	10.5 (706)	1,890 (51)
1960	164 (66)	28.0 (1883)	4,592 (125)
1965	696 (282)	23.5 (1581)	16,356 (446)
1970	812 (329)	22.0 (1480)	17,864 (487)
1971	609 (247)	25.0 (1682)	15,225 (415)
1972	746 (302)	33.0 (2220)	24,618 (671)
1973	1,210 (490)	30.0 (2018)	36,300 (989)
1974	1,190 (482)	24.0 (1614)	28,560 (778)
1975	1,200 (486)	27.0 (1816)	32,400 (883)
1976	980 (397)	20.0 (1345)	19,600 (534)
1977	1,300 (458)	36.0 (2421)	40,680 (1108)
1978	1,250 (506)	34.0 (2287)	42,500 (1158)
1979	1,610 (652)	34.0 (2287)	54,740 (1491)
1980	1,770 (717)	30.0 (2018)	53,100 (1446)
1981	2,070 (838)	38.0 (2566)	78,660 (2143)
1982	2,250 (911)	35.0 (2354)	78,750 (2146)
1983	2,070 (838)	28.5 (1917)	58,995 (1607)
1984	2,550 (1033)	26.0 (1748)	66,300 (1804)
1985	2,360 (956)	36.0 (2421)	84,960 (2312)
1986	2,450 (992)	38.0 (2555)	93,100 (2534)
1987	2,350 (952)	35.5 (2388)	83,425 (2270)
1988	2,300 (932)	30.0 (2018)	69,000 (1877)
1989	2,560 (1078)	32.0 (2153)	81,920 (2229)
1990	2,350 (952)	34.0 (2287)	79,900 (2174)
1991	2,450 (992)	33.0 (2220)	80,850 (2200)
1992	2,460 (996)	42.0 (2825)	103,320 (2811)
1993	2,500 (1012)	36.0 (2421)	90,000 (2449)
1994	2,860 (1157)	47.0 (3161)	134,420 (3658)
1995	3,060 (1238)	33.0 (2220)	100,980 (2748)
1996	3,010 (1219)	45.0 (3026)	135,450 (3691)
1997*	3,450 (1397)	40.0 (2690)	138,000 (3760)

* November estimate.

1997 Soybean Variety Testing Locations

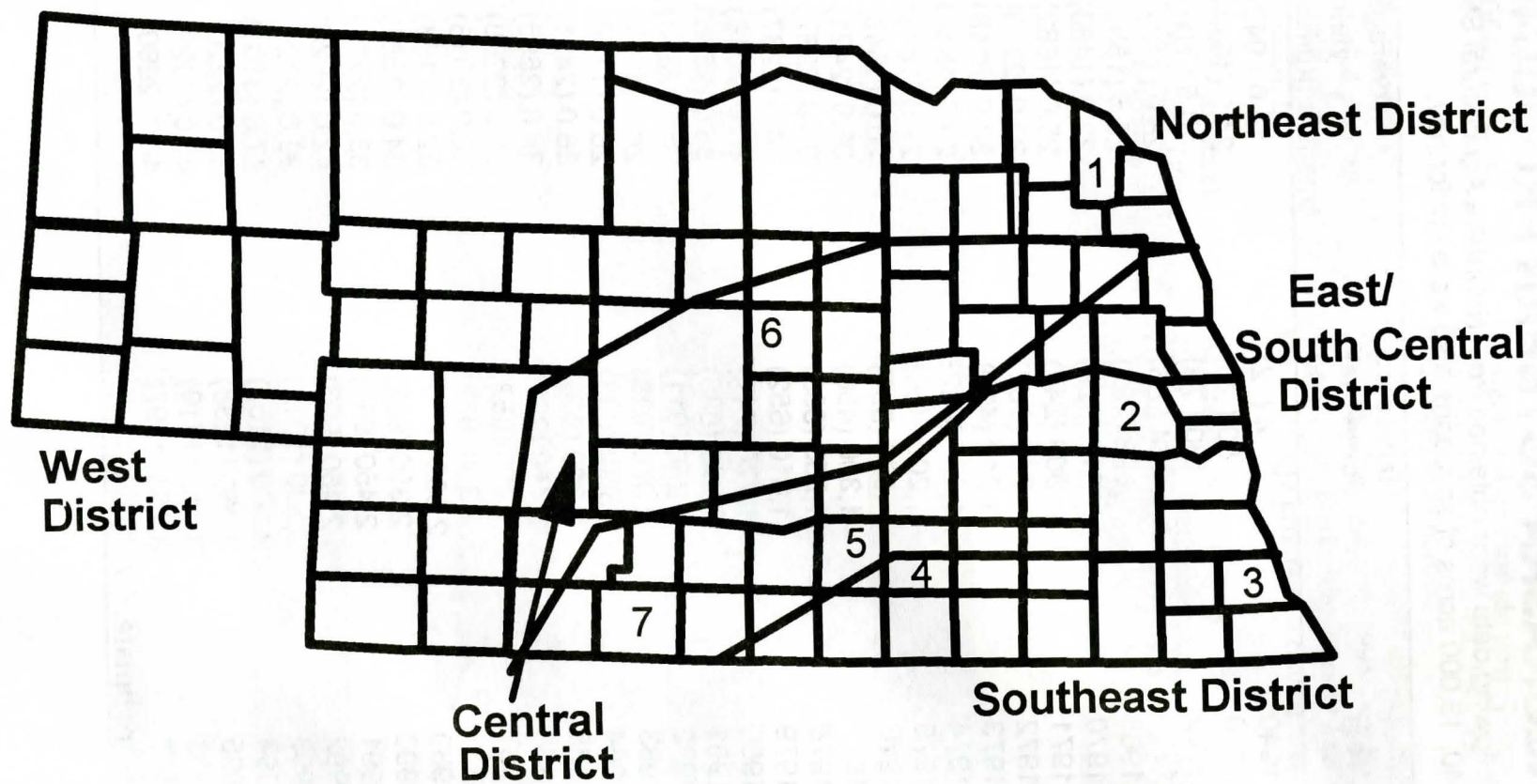


Table A. Locations. Nebraska Soybean Performance Tests. 1997.

Location/Cooperator	Soil Type/Herbicide	Condition	Test	Planted	Harvested	Average yield bu/A	Mat-yield correlation r
Northeast District							
Haskell Agricultural Laboratory	Alcester silt loam Treflan, Command, & Select	Irrigated		May 23	Oct. 6	37.7	-0.04NS
East/South Central District							
Saunders County	Sharpsburg silty clay loam	Dryland	Early	May 23	Oct. 9	38.5	0.21**
John Divis, Colon	Roundup, Pursuit, Reflex	Dryland	Late	May 23	Oct. 10	36.4	-0.07NS
Furnas County	Hord silt loam	Irrigated	Early	May 8	Oct. 7	50.3	----
Jerry Hoffman, Holbrook	Pursuit Plus	Irrigated	Late	May 8	Oct. 7	51.6	----
Adams County	Holder silt loam	Irrigated	Early	May 12	Oct. 16	58.9	----
Phil & Tom Trausch	Treflan, Broadstrike PPI Lasso, Canopy, & Command	Irrigated	Late	May 12	Oct. 20	60.5	----
Southeast District							
Nemaha County	Zook silty clay loam	Dryland	Early	May 13	Oct. 3	47.5	0.38**
Fred Gauchat, Brock	Authority	Dryland	Late	May 13	Oct. 6	54.6	0.25**
Clay County	Hastings silt loam	Irrigated	Early	May 9	Oct. 4	60.5	0.38**
South Central Research & Extension Center	Duel II, Canopy, Roundup Ultra, AMS	Irrigated	Late	May 9	Oct. 6	61.7	0.27**
Central Irrigated District							
Valley County	Cozad silt loam	Irrigated	----	May 15	Oct. 21	62.3	----
Tad Melia, Ord	Prowl, Pursuit, & Select						
Roundup Ready							
Clay County	Hastings silt loam	Irrigated	----	May 9	Oct. 10	57.5	-0.19**
South Central Research & Extension Center	Roundup Ultra, AMS						

*, ** significant at the 5% and 1% level, respectively. Negative r values indicate that early varieties were higher yielding.

Table B. Entries. Nebraska Soybean Performance Tests - 1997

BRAND	ENTRIES
Public Entries	APOLLO, ATHOW, CHAPMAN, COLFAX, CONRAD, DUNBAR, HAMILTON, HOLT, IA 2021, IA 2022, KENWOOD 94, IROQUOIS, MACON, MAVERICK, NEMAHA, ODELL, OLYMPUS, PROBST, RESNIK SAVOY, NE3297, NE3396, NE2596, U94-2306, U94-3412
CROWS	28003, 38004, 32003, 39007, 19001, 25006, 33003
DESOY	D-3000, D-3770, D-3828, D-3999, D3919, D-3222, D-3032+, D-2927+, D-2162, D-3717, D-3779, D-3555, D-3232+, D-2343, D-3424B, D-3505, D-3525E, D-3525, D-3505B, D-3424, D-3738, D-3230, D-3040, D-3333+, E-288, E-282RR, E-284RR, E-299RR, E-280RR
DYNA-GROW	3256, 3258, 3304, 3315, 3367A, 186RR, 3289RR
HOEGEMEYER	232, 253, 285, 312, 365, 368, 380, 401, 249RR, 279RR, 349RR, 381RR
HY-VIGOR	2400, 2750, 320S, 3990
JACOBSEN	J777, J865, J876, J953, J960, J971
KAUP SEED	KS 2474, KS 2685, KS 2774, KS 2887, KS 2977, KS 3287, KS 3375, KS3464, 205R, 264R, 278R, 298R
KRUGER	357R, K-3777+, K-3500, K-2222+, K-3424, K-3333+, K-3132, K-3232, K-4040+, K-3769+, K-3222+, K-3939+, K-2727+, K3779, K-3505+, K-2490, K-3525, K-2995, K-3040, K-2625, K-3032, K-3222, K-3525A, K-4040A
KSC/CHALLENGER	K-2900, K-3414, K-3131+, K-2725, K-2020, K-2535, K-3230+, K-3333+, K-252RR, K-260RR, K-255RR, K-262RR, K-277RR
LATHAM	621, 660, 841, 1140, 480, 680, 950, 662, 962, 720, 634STS, 654STS, EX-640, EX-730, EX-816RR, EX-336RR, EX-676RR
LEWIS HYBRIDS	310, 360
LG SEEDS	LG6212, LG6298, LG6339, LG6267, LG6245, LG6288, LG6369, LG6374RR, LG6345RR, LG6293RR, LG6285RR, LG6241RR
M/W GENETICS	G-2112, G-2440, G-2910, G-3141, G-3242, G-3300, G-3996, G-3608RR
MERSCHMAN	CHICKASAW IIRR, EISENHOWER IV, FILLMORE IV, HARRISON IV, KENNEDY IVRR, MADISON V, MOHAVE III, TRUMAN V
MID-STATES	232R, 251R, 266R, 281R, 342R
MIDLAND	8286, 8287, 8343, 8355, 8321, 8242, 8330, 8371, 8284RR, 8377RR, XP241RR, XP341RR, XP291RR
MUSTANG	E-245, M-2259, M-2270
MYCOGEN	J-251, 5281
PRAIRIE BRAND	PB-236X, PB-218, PB-235X, PB-293, PB-322, PB-345, PB-335, PB-382, PB-2600RR, PB-2320RR, PB-3100RR
SANDS	SOI 306, SOI 370, SOI276, SOI 371, SOI 277, EXP 3004, EXP C301, EXP 9631A, EXP 9535, EXP 2600, EXP 2305, EXP 2903, EXP 2955RR, EXP 9729RR, EXP 9736RR, EXP 9723, EXP 9730, SOI 306RR
SEXAUER	SX-2351, SX-2471, SX-2671, SX-3031, SX-3161, SX-3261
STINE	2488, 2686, 2688, 2788, 2870, 3160, 3171, 3290, 3870, X314
TERRA	E277, TS200, TS253, TS315, TS364, TS402, TS415, E317, E364T, E267, E387
WILLCROSS	92, 9531, 9640, RR2357, RR2397
WILSON	2204, 2780, 3110

Table C. Entrants. Nebraska Soybean Performance Tests. 1997

Brand	Entrant	Address
Crow's Desoy Dyna Gro Hoegemeyer Hybrids Hy-Vigor	Crow's Hybrid Corn Company Dennis Ewing Farm Seed Pueblo Chemical & Supple Hoegemeyer Hybrids Hy-Vigor Seeds Inc.	Box 306, Milford, IL 60953 6131 North Fork Rd, Ames, IA 50010 P.O. Box 2050, Kearney, NE 68848 1755 Hoegemeyer Rd, Hooper, NE 68031 4970 Redwood Ave, Paullina, IA 51046
Jacobsen Kaup Seed Kruger KSC/Challenger Latham	Jacobsen Hybrid Corn Co., Inc. Kaup Seed Co. Kruger Seed Company KSC/Challenger Latham Brothers Farm	Box 379, Lake Veiw, IA 51450 133 W. Park St., West Point, NE 68788 Hwy. 20 East, Dike, IA 50624 Box A, Dike, IA 50624 131 180th St., Alexander, IA 50420
Latham Lewis LG Seeds Merschman Midland	Latham Seed Company Lewis Hybrids, Inc. LG Seeds-Tekamah Service Center Merschman Seeds Midland Seeds, Inc.	131 180th St., Alexander, IA 50420 Box 38, Ursa, IL 62376 3551 County Rd F, Tekamah, NE 68061 103 Ave. D, West Point, IA 52656 980 Hwy 15, Hope, KS 67451
Mid-States Seed Genetics Midwest Seed Genetics Mustang Mycogen Prairie Brand	Mid-States Seed Genetics Midwest Seed Genetics Domestic Seed & Supple, Inc. Mycogen Seeds Prairie Brand Seed Company	133 West Park St, West Point, NE 68788 Box 518, Carroll, IA 51401 Box 466, Madison, SD 57042 RR1 Box 22A, York, NE 68467 15 X Ave., Story City, IA 50248
Sands Sexauer Stine Terra Willcross Wilson	Sand Seed Service, Inc. The Sexauer Company Stine Seed Company Terra International, Inc. King City Seed & Storage Inc. Wilson Seeds, Inc.	Box 648, Marcus, IA 51035 Box 448, Norfolk, NE 68701 2225 Laredo Trail, Adel, IA 50003 Box 6000, Sioux City, IA 51102 Box 666 King City, MO 64463 Box 391, Harlan, IA 51537

Table D. Soybean performance. Average for entries common over years within tests. Five years. 1993-1997.

Test	Year	Yield bu/A	Mature date	Lodging score	Height inches	Seeds /pound	Bushel weight	Protein %	Oil %	EPVA \$/A	
Northeast (13 entries)	1993	45.4	10- 3	1.0	32	3442	----	34.9	16.9	283	
	1994	71.1	9-23	2.0	37	2392	----	35.5	18.5	450	
	1995	33.6	----	----	25	3359	----	33.9	19	209	
	1996	57.5	10- 2	----	35	2754	----	37.0	18.5	467	
	1997	36.8	9-22	----	30	3341	----	34.5	20.4	295	
Central (7 entries)	1993	53.5	----	1.2	33	2492	56.0	35.0	18.0	342	
	1994	57.1	----	1.4	32	2509	55.9	35.7	19.1	367	
	1995	44.7	----	1.3	32	2599	56.0	34.5	19.2	283	
	1996	55.6	----	1.4	38	2359	----	37.7	19.3	464	
	1997	59.4	----	1.5	34	2364	----	----	----	----	
East/South Central	Early (5 entries)	1992	50.2	9-25	1.4	30	2743	55.8	35.3	18.8	328
		1993	55.2	9-10	1.7	38	2610	55.2	35.5	18.8	352
		1994	41.4	9-22	1.1	28	2617	55.8	34.6	19.2	262
		1995	59.5	9-17	1.5	35	2352	56.4	36.7	19.6	490
		1996	47.4	9-29	1.2	29	2533	56.4	36.7	20.1	392
	Late (4 entries)	1992	50.6	9-29	1.5	32	3056	57.3	35.7	17.9	328
		1993	64.4	9-18	1.9	43	2609	55.7	35.9	18.5	410
		1994	41.5	9-29	1.5	31	2849	57.5	35.3	18.6	262
		1995	59.2	9-25	1.5	38	2527	57.5	37.4	19.2	489
		1996	48.0	10-2	1.2	31	2686	56.0	36.9	20.0	397
Southeast	Early (4 entries)	1992	51.3	9-27	1.7	34	2793	57.3	36.0	18.8	338
		1993	48.9	9-17	2.2	32	2539	54.8	35.6	19.3	316
		1994	54.0	9-29	1.3	34	2816	57.0	35.4	19.7	351
		1995	61.0	9-27	1.1	34	2418	56.5	37.9	19.1	506
		1996	49.8	9-17	1.2	35	2805	55.8	37.4	20.1	418
	Late (3 entries)	1992	53.7	10- 3	2.3	36	2830	56.3	36.2	18.4	353
		1993	54.5	9-24	2.7	34	2687	55.3	35.1	19.2	349
		1994	49.9	10- 4	1.7	36	2933	57.0	34.2	18.8	312
		1995	58.4	10- 3	1.3	36	2375	56.3	37.2	19.1	481
		1996	56.0	9-28	1.4	38	2716	56.3	37.8	19.2	467

Soybean Variety Characteristics 1997



Brand	Variety	Pod color	Hilum color	Phytophthora		Flower color	Growth habit	Maturity group	Chlorosis score
				Race 1	Race 4				
----	APOLLO	Br	Y	X	X	P	I	2	3.9
----	ATHOW	Tn	Bl	R	R	P	I	3	3.9
----	CHAPMAN	Br	Ib	R	R	P	I	2M	4.0
----	COLFAX	Tn	Bf	M	M	W	D	2M	4.1
----	CONRAD	Tn	Br	S	S	P	I	2M	4.1
----	DUNBAR	Br	Ib	R	R	P	I	3E	3.8
----	HAMILTON	Br	Bf	S	S	W	I	3M	4.4
----	HOLT	Br	Bf	S	S	W	I	2E	4.1
----	IA2021	Br	Bl	R	R	W	I	2E	3.8
----	IA2022	Br	Bl	S	S	P	I	2L	3.9
----	KENWOOD 94	Br	Bl	S	M	P	I	2E	4.0
NUPRIDE	IROQUIOS	Br	Ib	R	S	P	I	3E	4.0
NUPRIDE	MACON	Br	Bl	S	S	W	I	3L	4.3
----	MAVERICK	Br	Bf	R	R	P	I	3L	4.4
NUPRIDE	NEMAHA	Tn	Bf	S	S	W	I	3M	3.9
----	NE2596	Br	Bf	-	-	P	I	2M	3.6
----	NE3297	Br	Bf	X	S	W	I	3L	3.5
----	NE3396	Tn	Bf	-	-	P	I	3E	3.8
----	ODELL	Tn	Bf	S	S	P	I	3M	4.0
----	OLYMPUS	-	Bl	S	S	P	I	2	4.6
----	PROBST	Tn	Bl	R	R	P	I	3L	4.3
----	RESNIK	Tn	Bl	R	R	P	I	3E	4.1
----	SAVOY	Br	Bl	R	R	W	I	2	3.6
----	YALE	Tn	Bf	X	X	W	I	3L	-
----	U94-2306	Br	Bl	X	X	W	I	3	4.0
----	U94-3412	Tn	Bl	X	X	W	I	3	4.0
CROWS	19001	Tn	Bf	R	S	P	I	1.9	3.5
CROWS	25006	Tn	Br	-	-	W	I	2.5	3.9
CROWS	28003	Br	Bl	-	-	P	I	2.8	4.4
CROWS	32003	Br	Bl	-	-	P	I	3.2	4.4
CROWS	33003	Br	Bl	-	-	W/P	I	3.3	4.1
CROWS	38004	Br	Bl	-	-	P	I	3.8	4.1
CROWS	39007	Br	Bl/Br	R	-	W/P	I	3.9	4.0
DE SOY	D-2343	Tn	Br	S	S	W	I	2	3.8
DE SOY	D-2927+	Tn	Br	R	S	W	I	2	4.3
DE SOY	D-3040	Tn	Br	R	S	W	I	3	4.3
DE SOY	D-3232+	Br	Bl	S	S	P	I	3	4.3
DE SOY	D-3424	Br	Br	S	S	P	I	3	4.3
DE SOY	D-3424B	Br	Br	S	S	P	I	3	3.9
DE SOY	D-3505	Br	Bf	S	S	P	I	3	4.1
DE SOY	D-3505B	Br	Bf/Br	S	S	W/P	I	3	4.0
DE SOY	D-3525	Tn	Bf	S	S	P	I	3	3.9
DE SOY	D-3717	Tn	Bl	S	S	W/P	I	3	4.0
DE SOY	D-3738	Br	Bf	S	S	W	I	3	3.8
DE SOY	D-3000	-	-	-	-	-	-	-	4.0
DE SOY	D-3770	-	-	-	-	-	-	-	4.1
DE SOY	D-3828	-	-	-	-	-	-	-	4.1
DE SOY	D-3999	-	-	-	-	-	-	-	4.3
DE SOY	D-3919	-	-	-	-	-	-	-	4.3
DE SOY	D-3222	-	-	-	-	-	-	-	4.1
DE SOY	D-3032+	-	-	-	-	-	-	-	4.4
DE SOY	D-2162	-	-	-	-	-	-	-	4.1
DE SOY	D-3779	-	-	-	-	-	-	-	4.1
DE SOY	D-3555	-	-	-	-	-	-	-	4.0
DE SOY	D-3525E	-	-	-	-	-	-	-	3.8
DE SOY	D-3230	-	-	-	-	-	-	-	3.8
DE SOY	D-3333+	-	-	-	-	-	-	-	4.3
DE SOY	E-288	-	-	-	-	-	-	-	4.3
DE SOY	E-282RR	-	-	-	-	-	-	-	4.0
DE SOY	E-284RR	-	-	-	-	-	-	-	3.9
DE SOY	E-299RR	-	-	-	-	-	-	-	3.9
DE SOY	E-280RR	-	-	-	-	-	-	-	4.4

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Soybean Variety Characteristics 1997 Cont.



Brand	Variety	Pod	Hilum	Phytophthora		Flower	Growth	Maturity	Chlorosis
		color	color	Race 1	Race 4	color	habit	group	score
DYNA-GRO	DG 3256	Tn	Br	-	R	P	I	M2	4.3
DYNA-GRO	DG 3258	Tn	Br	-	R	W/P	I	M2	4.4
DYNA-GRO	DG3315	Br	Bf	R	-	P	I	E3	4.0
DYNA-GRO	DG3304	Br	Bl	-	R	P	I	E3	4.4
DYNA-GRO	DG3367	Br	Br	R	-	W	I	3+	3.9
DYNA-GRO	UAPX 186RR	Tn	Bl	-	R	P	I	M2	4.0
DYNA-GRO	DG 3289RR	Br	Bl	R	-	P	I	L2	3.8
HOEGEMEYER	232	Br	Br	S	S	P	I	2.2	4.3
HOEGEMEYER	253	Tn	Br	S	S	W/P	I	2.5	4.0
HOEGEMEYER	285	Br	Bl	S	S	P	I	2.8	3.9
HOEGEMEYER	312	Br	Bl	S	S	P	I	3.1	3.9
HOEGEMEYER	365	Br	Br	S	S	P	I	3.3	4.4
HOEGEMEYER	368	Tn	Bl	S	S	P	I	3.1	4.1
HOEGEMEYER	380	Br	Br	S	S	P	I	3.6	4.3
HOEGEMEYER	401	Tn	Br	S	S	P	I	4.0	4.1
HOEGEMEYER	249RR	Tn	lb	MR	MR	P	I	2.4	3.8
HOEGEMEYER	279RR	Tn	Bf	S	S	P	I	2.7	3.8
HOEGEMEYER	349RR	Tn	Bl	S	S	W	I	3.4	3.9
HOEGEMEYER	381RR	Tn	Br	S	S	P	I	3.5	4.1
HY-VIGOR	2400	Br	Bl	-	-	P	I	2	3.5
HY-VIGOR	2750	Br	G	-	-	P	I	2	3.5
HY-VIGOR	320-S	Tn	Bl	-	-	P	I	3	3.6
HY-VIGOR	3990	Br	Bl	-	-	W	I	3	4.3
JACOBSEN	J865	Tn	Br	S	S	W/P	I	2	4.4
JACOBSEN	J876	Tn	Br	S	S	W/P	I	2	4.0
JACOBSEN	J777	Br	Bl	S	S	P	I	2	4.5
JACOBSEN	J953	Br	Br	S	S	W	I	3	4.3
JACOBSEN	J971	Br	lb	R	R	P	I	3	4.3
JACOBSEN	J960	Br	Bl	S	S	P	I	3	4.4
KAUP SEED	KS 2474	Tn	Br	S	S	W/P	I	2	4.4
KAUP SEED	KS 2685	Br	Br	S	S	P	I	2	4.1
KAUP SEED	KS 2774	Tn	Br	S	S	P	I	2	3.6
KAUP SEED	KS 2887	Br	Bl	S	S	P	I	2	4.4
KAUP SEED	KS 2977	Tn	Br	S	S	W	I	2	4.0
KAUP SEED	KS 3464	Br	Br	R	S	W	I	3	4.0
KAUP SEED	KS 3287	Br	Bl	S	S	P	I	3	4.1
KAUP SEED	KS 3375	Br	Br	R	S	P	I	3	4.1
KAUP SEED	205 R	Br	Bf	R	S	P	I	2	3.9
KAUP SEED	264 R	Br	G	S	S	P	I	2	4.1
KAUP SEED	278 R	Br	Bl	R	R	P	I	2	4.0
KAUP SEED	298 R	Br	Bl	R	R	P	I	2	3.9
KAUP SEED	357 R	Br	Br	R	S	P	I	3	4.0
KRUGER	K-2625	Tn	Br	S	S	W/P	I	2	4.0
KRUGER	K-2995	Br	Bf	S	S	P	I	2	4.1
KRUGER	K-3032	Br	Bl	S	S	P	I	3	4.5
KRUGER	K-3040	Tn	Br	S	S	W	I	3	4.4
KRUGER	K-3222	Br	Bl	S	S	P	I	3	4.0
KRUGER	K-3132	Br	Bl	S	S	P	I	3	4.3
KRUGER	K-3525	Br	Bf	S	S	W	I	3	3.6
KRUGER	K-3525A	Br	Bf	S	S	W	I	3	3.9
KRUGER	K-3505+	Br	Br	S	S	W	I	3	4.3
KRUGER	K-3769+	Br	Br	R	S	P	I	3	4.1
KRUGER	K-3777+	-	-	-	-	-	-	-	4.1
KRUGER	K-3500	-	-	-	-	-	-	-	4.3
KRUGER	K-2222+	-	-	-	-	-	-	-	3.9
KRUGER	K-3424	-	-	-	-	-	-	-	4.3
KRUGER	K-3333+	-	-	-	-	-	-	-	4.1
KRUGER	K-3232	-	-	-	-	-	-	-	4.1
KRUGER	K-4040+	-	-	-	-	-	-	-	4.1
KRUGER	K-3222+	-	-	-	-	-	-	-	4.1
KRUGER	K-3939+	-	-	-	-	-	-	-	3.9
KRUGER	K-2727+	-	-	-	-	-	-	-	4.0
KRUGER	K-3779	-	-	-	-	-	-	-	4.5

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Soybean Variety Characteristics 1997 Cont.



Brand	Variety	Pod color	Hilum color	Phytophthora Race 1	Phytophthora Race 4	Flower color	Growth habit	group	score
KRUGER	K-2490	-	-	-	-	-	-	-	3.8
KRUGER	K-4040A	-	-	-	-	-	-	-	3.8
KSC/CHALLENGER	K-2900	-	-	-	-	-	-	-	3.8
KSC/CHALLENGER	K-3414	-	-	-	-	-	-	-	4.3
KSC/CHALLENGER	K-3131+	-	-	-	-	-	-	-	3.7
KSC/CHALLENGER	K-2725	-	-	-	-	-	-	-	2.8
KSC/CHALLENGER	K-2020	-	-	-	-	-	-	-	3.6
KSC/CHALLENGER	K-2535	-	-	-	-	-	-	-	3.9
KSC/CHALLENGER	K-3230+	-	-	-	-	-	-	-	4.1
KSC/CHALLENGER	K-3333+	-	-	-	-	-	-	-	4.1
KSC/CHALLENGER	K-252RR	-	-	-	-	-	-	-	4.3
KSC/CHALLENGER	K-260RR	-	-	-	-	-	-	-	4.1
KSC/CHALLENGER	K-255RR	-	-	-	-	-	-	-	4.0
KSC/CHALLENGER	K-262RR	-	-	-	-	-	-	-	4.1
KSC/CHALLENGER	K-277RR	-	-	-	-	-	-	-	4.0
LATHAM	1140	Br	Br	R	S	P	I	3.0	4.0
LATHAM	480	Tn	IB	S	S	P	I	1.9	4.4
LATHAM	660	Tn	Br	S	S	P	I	2.3	4.1
LATHAM	680	Tn	Br	S	S	W	I	2.5	4.0
LATHAM	720	Br	Bl	S	S	P	I	2.7	4.1
LATHAM	841	Br	Bf	S	S	P	I	2.7	4.3
LATHAM	950	Br	G	R	S	P	I	2.9	4.0
LATHAM	EX-640	Tn	Br	S	S	W	I	2.4	3.8
LATHAM	EX-730	Br	Bl	S	S	P	I	2.6	4.1
LATHAM	662	Tn	Br	S	S	W/P	I	2.3	4.1
LATHAM	621	Tn	Br	S	S	W/P	I	2.3	4.1
LATHAM	634STS	Tn	Bl	S	S	P	I	2.3	4.1
LATHAM	654STS	Tn	Br	S	S	W/P	I	2.4	4.0
LATHAM	962	Br	Bl	S	S	P	I	3.0	4.3
LATHAM	EX-336RR	Tn	Bf	R	R	P	I	1.9	4.0
LATHAM	EX-676RR	Tn	Bl	S	S	P	I	2.4	4.3
LATHAM	EX-816RR	Tn	Bl	S	S	P	I	2.6	4.0
LEWIS HYBRIDS	310	Br	Bl	S	S	-	I	3	4.0
LEWIS HYBRIDS	360	Br	Bf	R	S	W	I	3	3.8
LG SEEDS	LG6212	Tn	Br	S	S	W	I	2.1	4.1
LG SEEDS	LG6245	Tn	Br	S	S	P	I	2.4	4.0
LG SEEDS	LG6267	Tn	Br	S	S	W	I	2.6	3.9
LG SEEDS	LG6288	Br	Bl	S	S	P	I	2.8	4.1
LG SEEDS	LG6298	Br	Bl	S	S	W	I	2.9	4.4
LG SEEDS	LG6339	Tn	Bf	S	S	W	I	3.3	3.8
LG SEEDS	LG6369	Br	Bl	R	-	P	I	3.6	4.4
LG SEEDS	LG6241RR	Tn	Bl	R	R	P	I	2.4	4.0
LG SEEDS	LG6285RR	Tn	Bl	S	S	P	I	2.8	4.1
LG SEEDS	LG6293RR	Br	Bl	R	R	P	I	2.9	3.9
LG SEEDS	LG6345RR	Tn	Bl	S	S	W	I	3.4	3.6
LG SEEDS	LG6374RR	Br	Br	R	-	P	I	3.7	4.4
M/W SEED GENETICS	G 2440	Tn	Br	S	S	P	I	2	4.0
M/W SEED GENETICS	G 3141	Br	Bl	S	S	P	I	3	4.3
M/W SEED GENETICS	G 3996	Br	Bl	S	S	W	I	3	4.0
M/W SEED GENETICS	G 2112	Tn	Br	S	S	W	I	2	3.9
M/W SEED GENETICS	G 2910	Br	Bl	S	S	P	I	2	4.3
M/W SEED GENETICS	G 3626	Br	Bf	R	S	W	I	3	4.3
M/W SEED GENETICS	G 3242	Br	lb	R	S	P	I	3	4.1
M/W SEED GENETICS	G 3300	Tn	Bf	S	S	W	I	3	3.8
M/W SEED GENETICS	G 3608RR	Br	Br	R	-	P	I	3	4.0
MERSHMAN	FILLMORE IV	Br	Br	R	-	W	I	3	4.4
MERSHMAN	HARRISON IV	Br	Br	S	S	P	I	3	4.4
MERSHMAN	KENNEDY IVRR	Br	Br	R	S	P	I	3	4.3
MERSHMAN	MADISON V	Tn	Br	R	S	W	I	3	4.3
MERSHMAN	MOHAVE III	Tn	Br	S	S	W	I	2	4.4
MERSHMAN	CHICKISAW IIRR	Br	G	S	S	P	I	2	4.0

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Soybean Variety Characteristics 1997 Cont



Brand	Variety	Pod color	Hilum color	Phytophthora		Flower color	Growth habit	Maturity group	Chlorosis score
MERSHMAN	EISENHOWER IV	Br	Bl	R	-	P	I	3	4.0
MERSHMAN	TRUMAN V	Br	Br	S	S	W	I	3	4.4
MIDLAND	8286	Tn	lb	S	S	P	I	2.6	4.1
MIDLAND	8355	Tn	lb	S	S	P	I	3.5	4.3
MIDLAND	8330	Tn	Bf	-	-	W	I	3.3	4.1
MIDLAND	8242	Tn	Bl	-	-	W	I	2.4	4.3
MIDLAND	XP241RR	Tn	lb	-	-	P	I	2.4	3.5
MIDLAND	XP291RR	Br	Bl	-	-	P	I	2.9	4.0
MIDLAND	8321	Br	Bl	S	S	P	I	3.2	3.9
MIDLAND	XP342RR	Tn	Bl	-	-	W	I	3.4	4.3
MIDLAND	8371	Br	Bl	-	-	P	I	3.7	3.8
MIDLAND	8377RR	Tn	Bl	-	-	W	I	3.7	3.9
MIDLAND	8284RR	Tn	Bf	-	-	P	I	2.8	4.1
MIDLAND	8343	Tn	G	-	-	P	I	3.4	3.6
MIDLAND	8287	Br	Bl	-	-	P	I	2.8	4.4
MID-STATES	232 R	Tn	Bl	R	-	P	I	2	3.9
MID-STATES	251 R	Br	Bf	S	-	P	I	2	4.0
MID-STATES	266 R	Tn	Bf	S	-	P	I	2	4.0
MID-STATES	281 R	Br	Bf	S	-	P	I	2	3.9
MID-STATES	342 R	Tn	lb	S	-	P	I	3	4.0
MUSTANG	M-2270	Tn	Br	S	S	W	SD	2	4.1
MUSTANG	M-2259	Tn	Br	S	S	P	SD	2	4.3
MUSTANG	E-245	Tn	Br	S	S	W	SD	2	4.0
MYCOGEN	5281	Tn	Br	R	-	P	I	2.4	3.6
MYCOGEN	J-251	Tn	Bl	R	-	P	I	2.8	4.0
PRAIRIE BRAND	PB-235X	-	Br	-	-	W	I	2	3.8
PRAIRIE BRAND	PB-236	Tn	Br	-	-	W/P	I	2	4.3
PRAIRIE BRAND	PB-218	-	lb	-	-	P	I	2	3.9
PRAIRIE BRAND	PB-322	Br	Bf	-	-	P	I	3	3.8
PRAIRIE BRAND	PB-330	Br	Br	-	-	P	I	3	4.1
PRAIRIE BRAND	PB-345	-	Br	-	-	P	I	3	4.1
PRAIRIE BRAND	PB-382	Br	Bl	-	-	W	I	3	4.1
PRAIRIE BRAND	PB-293	Br	Bl	-	-	P	I	2	4.5
PRAIRIE BRAND	PB-3100RR	-	-	-	-	-	I	3	3.6
PRAIRIE BRAND	PB-2320RR	-	Bl	-	-	P	I	2	4.0
PRAIRIE BRAND	PB-2600RR	Br	G	-	-	P	I	2	3.8
SANDS	EXP 9723	Tn	Bf	S	S	P	I	2	3.5
SANDS	SOI 276	Tn	Br	S	S	W/P	I	2	4.4
SANDS	EXP C301	Tn	Br	S	S	W	I	2	4.5
SANDS	EXP 2305	Br	Br	S	S	P	I	2	4.4
SANDS	EXP 2601	Br	Br	S	S	W/P	I	2	4.0
SANDS	EXP 3004	Br	Br	S	S	W	I	3	3.8
SANDS	EXP 2903	Br	Br	R	R	P	I	2	3.6
SANDS	EXP 9535	Tn	Bl	R	R	W	I	3	4.5
SANDS	EXP 9631A	Br	Bl	S	S	P	I	2	4.4
SANDS	EXP 2955RR	Br	Bl	R	R	P	I	2	3.9
SANDS	SOI 306RR	Br	Br	R	-	P	I	3	4.0
SANDS	EXP 9729RR	Br	Bf	S	S	P	I	2	4.4
SANDS	EXP 9736RR	Tn	Bl	R	R	P	I	3	4.0
SANDS	SOI 277	Br	Br	S	S	P	I	2	4.0
SANDS	SOI 371	Br	Bl	S	S	P	I	3	4.3
SANDS	SOI 370	-	Bl	R	R	P	I	3	4.4
SANDS	SOI 306	Br	Br	R	-	P	I	3	4.3
SEXAUER	SX-2351	Tn	Bf	R	S	P	I	2	4.1
SEXAUER	SX-2471	Tn	Bl	S	S	W	I	2	4.3
SEXAUER	SX-2671	Br	Br	S	S	P	I	2	4.0
SEXAUER	SX-3161	Br	Bl	S	S	W	I	3	4.0
SEXAUER	SX-3261	Tn	Bl	R	S	W	I	3	3.9
SEXAUER	SX-3031	Tn	Bl	R	S	P	I	2	3.8
STINE	2488	Tn	Br	S	S	W	I	2	3.9
STINE	2686	Tn	Y	S	S	P	I	2	4.1
STINE	2688	Br	Br	S	S	W	I	2	4.1

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Soybean Variety Characteristics 1997 Cont



Brand	Variety	Pod	Hilum	Phytophthora		Flower	Growth	group	score
		color	color	Race 1	Race 4	color	habit		
STINE	2870	Tn	Br	S	S	W	I	2	3.9
STINE	3171	Br	Ib	R	S	W	I	3	4.3
STINE	3290	Br	Bl	S	S	P	I	3	4.1
STINE	3870	Br	Bl	R	S	P	I	3	4.0
STINE	X314	Br	Br	S	S	P	I	3	4.1
STINE	2788	Br	Bl	S	S	P	I	2	4.3
STINE	3160	Br	Bl	S	S	P	I	3	4.3
TERRA	E277	Br	Bl	-	-	P	I	2	4.0
TERRA	TS200	Tn	Bl	S	S	P	I	2	4.4
TERRA	TS253	Tn	Br	S	S	P	I	2	4.3
TERRA	E267	Br	Br	-	-	P	I	2	3.9
TERRA	E317	Br	Bl	-	-	P	I	3	4.1
TERRA	E364T	Br	Br	-	-	W	I	3	4.0
TERRA	TS315	Br	Bf	R	S	P	I	3	4.0
TERRA	E387	Br	Bl	-	-	W	I	3	4.3
TERRA	TS364	Br	Bf	R	S	W	I	3	4.0
TERRA	TS402	Tn	Br	S	S	P	I	4	4.3
TERRA	TS415	Br	Bl/Br	R	S	W/P	I	4	4.1
WILLCROSS	92	Tn	Br	S	S	P	I	3.9	4.1
WILLCROSS	9640	Br	Bl	S	S	W	I	3.9	4.0
WILLCROSS	9531	Br	Bl	S	S	P	I	3.1	4.4
WILLCROSS	RR2357	-	Br	S	S	P	I	3.5	4.5
WILLCROSS	RR2397	Br	Bl	S	S	P	I	3.9	4.0
WILSON	2204	Tn	Bf	S	S	W	I	2E	4.0
WILSON	2780	Br	Bl	S	S	P	I	2M	4.6
WILSON	3110	Br	Bl	S	S	P	I	3E	4.4

- DATA NOT SUBMITTED

1 Pod color: Tn = Tan, Br = Brown

2 Hilum color: Bf = Buff, Bl = Black, Br = Brown, G = Gray, Ib = Imperfect black, Y = Yellow or clear.

3 Phytophthora rating: R = resistant, S = susceptible,

4 Iron chlorosis scores: 1=little or no yellowing, 2=slight yellowing, 3=moderate yellowing, 4=intense yellowing, 5=very severe yellowing and dead tissue.

Suceptibility of the entries to iron deficiency chlorosis was evaluated with four replications of plots with a soil pH of 8.6 to 9.3.

5 Flower color: W = white, P = purple

6 Growth habit: I = indeterminate, SD = semideterminate, D = determinate

Dixon County Soybean Variety Tests - 1997



Brand	Variety	Yield Average bu/a	Maturity date	Plant Height inches	Seeds /lb	Protein %	Oil %	EPVA \$/a
M/W GENETICS	G-2910	47.7	9-26	29	3540	34.7	19.9	379.22
LATHAM	621	47.0	9-20	27	3550	35.0	19.9	376.00
-----	CONRAD	45.2	9-21	33	3370	34.6	20.1	360.24
KSC/CHALLENGER	K-2020	42.5	9-15	30	3610	33.4	20.7	334.90
DE SOY	D-2343	42.1	9-19	31	3420	34.5	20.3	335.96
CROW'S	19001	42.0	9-17	31	3710	32.7	20.3	323.82
TERRA	TS253	41.9	9-23	28	3330	34.6	20.4	336.04
-----	OLYMPUS	41.6	9-19	32	3520	35.3	19.5	332.80
SEXAUER	SX-2351	41.5	9-18	33	3340	33.4	21.2	329.51
MUSTANG	E-245	40.8	9-21	28	3260	34.9	20.2	327.62
M/W GENETICS	G-2112	40.6	9-19	30	3540	34.9	19.9	324.39
NUPRIDE	IROQUOIS	40.5	9-27	35	3460	34.4	20.8	326.03
LG SEEDS	LG6212	40.5	9-16	28	3300	35.6	19.6	326.43
MIDLAND	8242	40.1	9-21	27	3410	34.3	20.7	320.80
HOEGEMEYER	232	40.0	9-18	29	3450	33.6	21.4	319.60
-----	IA 2022	39.6	9-25	35	3630	34.9	20.1	317.59
HY-VIGOR	3990	39.6	9-27	33	3550	34.2	20.5	315.61
DYNA-GRO	3256	39.5	9-22	26	3310	35.0	20.1	317.19
LATHAM	680	39.2	9-23	33	3410	34.2	20.3	311.64
JACOBSEN	J865	39.1	9-20	28	3500	34.3	20.2	310.06
-----	NE 2496	38.9	9-22	30	3170	35.4	20.0	314.31
DE SOY	D-3040	38.8	9-27	30	3330	34.2	20.1	307.30
MYCOGEN	J-251	38.6	9-25	27	3290	35.3	20.1	311.89
LATHAM	480	38.6	9-17	31	3260	33.8	20.9	307.26
JACOBSEN	J777	38.4	9-26	30	3250	34.7	20.4	308.74
MUSTANG	M-2270	38.3	9-23	30	3400	33.8	20.7	304.10
WILSON	2204	38.2	9-17	28	3290	34.2	20.8	305.98
LATHAM	662	38.1	9-19	26	3580	35.1	19.8	305.56
KRUGER	K-2490	38.1	9-21	29	2990	34.1	20.3	302.13
KAUP SEED	KS 2474	38.1	9-20	26	3540	34.7	20.2	305.18
HOEGEMEYER	253	38.1	9-20	27	3610	34.6	20.3	304.42
KRUGER	K-2625	37.9	9-21	26	3570	33.9	20.3	299.79
HY-VIGOR	2750	37.8	9-25	30	3490	34.5	20.3	302.02
SEXAUER	SX-2471	37.7	9-21	29	3480	34.2	20.6	301.22
SANDS	SOI 276	37.5	9-19	28	3500	35.0	20.1	301.13
DYNA-GRO	3258	37.5	9-20	28	3640	34.4	20.4	299.63
-----	IA 2021	37.3	9-19	27	3460	33.4	21.0	295.42
DE SOY	D-2162	37.2	9-19	29	3370	34.0	20.6	296.11
TERRA	E277	37.1	9-25	27	3270	34.4	20.5	296.80

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Dixon County Soybean Variety Tests - 1997

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Brand	Variety	Yield Average bu/a	Maturity date	Plant Height inches	Seeds /lb	Protein %	Oil %	EPVA \$/a
HY-VIGOR	2400	36.8	9-26	34	3420	34.5	20.6	295.14
M/W GENETICS	G-2440	36.7	9-22	27	3400	34.8	20.2	294.33
STINE	2686	36.5	9-26	27	3290	34.5	20.6	293.09
LATHAM	660	36.5	9-20	28	3360	34.5	20.5	292.00
MIDLAND	8287	36.4	9-26	30	3390	34.4	20.5	291.20
MUSTANG	M-2259	36.3	9-20	28	3560	35.1	20.1	291.85
SANDS	SOI 277	36.1	9-23	27	3360	35.2	20.3	291.69
----	HOLT	35.8	9-17	31	3310	34.8	20.4	287.83
KAUP SEED	KS 2865	35.1	9-23	27	3230	34.5	20.8	282.91
HOEGEMEYER	285	35.1	9-26	30	3350	34.5	20.1	279.40
KRUGER	K-2727+	34.5	9-25	28	3470	34.8	20.2	276.34
STINE	2488	34.4	9-19	26	3490	35.2	20.2	277.61
JACOBSEN	J876	34.0	9-26	25	3220	35.7	20.0	276.08
LG SEEDS	LG6267	33.6	9-23	32	3510	33.9	20.4	265.44
----	APOLLO	33.5	9-22	34	3610	33.1	20.8	262.97
TERRA	TS200	33.5	9-18	27	3510	34.8	20.6	270.01
----	COLFAX	33.4	9-26	27	3180	35.0	20.1	268.20
KSC/CHALLENGER	K-2535	33.0	9-20	28	3310	34.7	20.4	264.66
----	CHAPMAN	32.8	9-27	34	3140	34.1	20.7	262.07
LG SEEDS	LG6245	32.8	9-20	25	3570	34.9	19.9	262.40
----	KENWOOD	32.4	9-21	32	3640	33.8	20.5	256.28
SANDS	EXP 9723	32.3	9-19	28	3750	34.7	19.9	256.78
KSC/CHALLENGER	K-2725	32.1	9-22	26	3540	35.0	20.2	257.76
LATHAM	EX-640	31.2	9-20	28	3380	34.6	20.4	249.91
Average all entries		37.7	9-22	29	3420	34.5	20.3	296.78
Dif. Req. for Sig.								
	5%	7.6	2	3	280	1.0	0.5	NS
	25%	4.5	1	2	160	0.6	0.3	NS

Northeast Soybean Variety Tests - 1993-1997



Brand	Variety	Average bu/a	Maturity date	Plant Height	Seeds /lb	Protein %	Oil %	EPVA \$/a
Two Year Averages								
DE SOY	D-2343	52.0	9-25	33	3150	35.9	19.1	418
HOEGEMEYER	232	51.2	9-25	35	3230	35.2	20.1	413
AA---	CONRAD	51.0	9-27	35	3090	35.8	19.2	409
JACOBSEN	J865	50.7	9-26	31	3180	35.6	19.3	407
DYNA-GRO	3256	50.5	9-28	28	3110	36.0	19.3	408
TERRA	TS253	50.5	9-28	31	3140	35.8	19.5	408
MUSTANG	M-2259	50.3	9-27	31	3240	36.2	19.1	406
DE SOY	D-3040	49.6	10- 1	33	3130	35.4	19.3	397
M/W GENETICS	G-2440	49.3	9-27	30	3080	35.9	19.3	398
KAUP SEED	KS 2474	49.3	9-26	30	3210	35.9	19.2	397
KRUGER	K-2625	49.2	9-27	30	3160	35.6	19.4	396
SEXAUER	SX-2351	49.2	9-25	36	3170	34.9	19.9	393
WILSON	2204	49.2	9-25	32	3040	35.6	19.6	397
SANDS	SOI 276	49.2	9-26	31	3210	36.1	19.2	398
TERRA	TS200	48.3	9-25	30	3260	35.7	19.6	390
AA---	IA 2021	48.3	9-25	31	2990	34.8	20.0	387
STINE	2686	48.2	9-30	30	3060	35.2	19.8	387
LATHAM	480	48.1	9-25	35	3030	35.1	19.7	384
LATHAM	680	47.9	9-29	35	3110	35.4	19.4	383
LATHAM	660	47.9	9-27	30	3050	35.6	19.6	386
AA---	IA 2022	46.9	10- 2	39	3300	35.9	19.2	377
HY-VIGOR	2750	46.8	9-29	33	3210	35.5	19.6	376
HY-VIGOR	2400	46.7	10- 1	38	3170	35.8	19.6	378
AA---	NE 2496	46.7	9-29	34	2940	36.6	18.9	380
AA---	HOLT	46.7	9-24	34	2980	36.3	19.3	381
HOEGEMEYER	285	45.0	10- 1	32	3080	35.7	19.4	362
NUPRIDE	IROQUOIS	44.5	10- 2	38	3190	36.0	19.3	359
AA---	CHAPMAN	44.3	10- 1	36	2920	35.5	19.6	356
AA---	KENWOOD 94	44.1	9-27	36	3300	35.5	19.4	354
AA---	COLFAX	43.9	9-30	29	2840	35.9	19.4	354
Average all entries		48.2	9-27	33	3120	35.7	19.4	388
Dif. Req. for Sig. 5%		NS	2	1	90	0.3	0.3	NS
25%		NS	1	1	50	0.2	0.2	NS
Three Year Averages								
DE SOY	D-2343	47.6		31	3300	35.2	19.1	359
HOEGEMEYER	232	46.1		32	3230	34.9	19.9	352
M/W GENETICS	G-2440	45.2		28	3270	35.3	19.1	342
WILSON	2204	44.4		29	3070	34.9	19.6	338
LATHAM	480	44.1		31	3140	34.7	19.5	332
SEXAUER	SX-2351	43.3		32	3200	34.5	19.8	329
TERRA	TS200	43.3		27	3260	35.0	19.6	330
KRUGER	K-2625	43.1		27	3250	35.0	19.2	328
LATHAM	680	43.1		32	3260	34.7	19.2	324
AA---	NE 2496	43.1		31	3090	35.9	18.7	327
TERRA	TS253	42.8		27	3330	35.1	19.4	315
LATHAM	660	42.6		27	3180	35.1	19.5	325

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Northeast Soybean Variety Tests - 1993-1997

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Brand	Variety	Average bu/a	Maturity date	Plant Height	Seeds /lb	Protein %	Oil %	EPVA \$/a
Three Year Averages (Continued)								
AA---	CONRAD	42.1		31	3220	34.7	19.0	307
HY-VIGOR	2400	41.5		35	3150	35.0	19.5	317
AA---	HOLT	41.0		30	3160	35.5	19.2	315
AA---	COLFAX	39.8		28	2950	35.1	19.3	302
AA---	CHAPMAN	39.1		31	3020	34.7	19.3	284
AA---	KENWOOD 94	39.0		32	3280	34.6	19.2	282
Average all entries		42.7		30	3190	35.0	19.3	321
Dif. Req. for Sig. 5%		2.1		1	NS	0.3	0.2	16
25%		1.2		1	70	0.2	0.1	9
Four Year Averages								
M/W GENETICS	G-2440	53.2		30	3070	35.4	18.9	379
TERRA	TS253	53.1		30	3040	35.3	19.1	366
HOEGEMEYER	232	52.6		34	3040	35.0	19.6	378
LATHAM	660	51.3		29	3010	35.2	19.2	366
AA---	CONRAD	51.0		34	2980	34.8	18.8	348
SEXAUER	SX-2351	50.9		35	3030	34.6	19.6	363
LATHAM	680	50.6		34	3070	35.0	19.0	359
AA---	CHAPMAN	50.2		34	2690	35.1	19.1	344
AA---	KENWOOD 94	50.1		35	3050	34.8	18.9	339
AA---	HOLT	49.7		32	2840	35.6	18.8	348
AA---	COLFAX	47.3		29	2790	35.1	19.2	337
Average all entries		50.9		32	2960	35.1	19.1	356
Dif. Req. for Sig. 5%		NS		1	90	0.2	0.1	15
25%		1.2		1	50	0.1	0.1	9
Five Year Averages								
TERRA	TS253	52.5		30	3160	35.2	18.5	354
M/W GENETICS	G-2440	52.4		30	3120	35.4	18.5	365
LATHAM	660	51.5		29	3050	35.2	18.9	359
AA---	CONRAD	49.4		34	3150	34.8	18.2	330
AA---	HOLT	48.3		32	2950	35.5	18.5	330
AA---	KENWOOD 94	48.2		35	3210	34.8	18.3	320
AA---	CHAPMAN	47.8		34	2840	35.1	18.5	322
AA---	COLFAX	46.4		29	2930	34.8	18.7	321
Average all entries		49.5		32	3050	35.1	18.5	336
Dif. Req. for Sig. 5%		2.1		1	90	0.2	0.1	14
25%		1.3		1	50	0.1	0.1	8

East Central Early Maturing Soybean Variety Tests - 1997



Brand	Variety	Yield				Maturity date	Lodging rating	Plant					
		Average bu/a	Saunders bu/a	Adams bu/a	Furnas bu/a			Height inches	Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
M/W GENETICS	G-2910	54.9	40.3	66.6*	57.9*	9-30	1.0	28	2440	56.4	36.7	20.3	456.22
KRUGER	K-3032	54.8	44.8*	65.7*	53.8	10- 1	1.0	30	2330	56.4	36.9	19.9	453.74
DE SOY	D-3232+	54.8	42.7*	63.3*	58.3*	9-30	1.0	29	2470	55.5	36.6	20.3	454.84
DE SOY	D-3000	53.9	40.1	59.8*	61.8**	10- 3	1.0	34	2600	56.5	37.1	19.4	445.21
MIDLAND	8287	53.8	39.7	65.1*	56.7*	9-30	1.0	28	2480	56.7	36.6	20.3	446.54
KSC/CHALLENGER	K-3230+	53.6	42.5*	61.1*	57.2*	10- 2	1.0	30	2530	55.5	36.9	19.8	444.34
DE SOY	D-3032+	53.2	39.3	64.5*	55.9*	10- 1	1.0	30	2320	56.3	36.5	20.1	438.90
TERRA	E317	53.2	43.7*	58.6	57.3*	10- 1	1.0	29	2420	56.2	36.6	20.0	439.43
DE SOY	D-3424B	53.1	43.5*	61.8*	53.9	10- 1	1.2	31	2680	57.2	37.3	19.7	442.32
JACOBSEN	J777	52.9	42.0*	61.1*	55.5*	9-30	1.0	28	2500	56.2	37.0	20.1	441.19
KRUGER	K-3132	52.9	39.5	66.7**	52.6	10- 1	1.0	30	2500	56.1	36.5	20.0	436.43
TERRA	E277	52.7	41.4*	63.1*	53.5	10- 1	1.0	28	2500	55.7	36.6	20.3	437.94
KSC/CHALLENGER	K-3333+	52.7	39.8	66.1*	52.1	10- 1	1.3	33	2610	57.0	36.3	20.0	433.19
JACOBSEN	J960	52.6	44.6*	61.8*	51.5	10- 2	1.0	29	2520	56.0	36.7	20.1	436.05
JACOBSEN	J971	52.5	41.0*	65.2*	51.3	10- 2	1.2	32	2630	56.8	36.4	20.0	432.60
HOEGEMEYER	312	52.5	43.1*	60.8*	53.7	10- 1	1.0	28	2500	56.0	36.6	20.2	435.75
LATHAM	EX-730	52.4	40.0	60.2*	57.1*	9-30	1.0	28	2470	56.8	36.8	20.2	435.97
SANDS	EXP 9631A	52.2	40.1	58.7	57.7*	9-29	1.0	27	2520	55.4	36.7	20.1	433.26
STINE	3160	52.0	45.7**	58.0	52.4	10- 1	1.0	29	2490	55.2	37.0	20.0	432.64
MIDLAND	8321	51.9	40.3	59.3	56.2*	10- 3	1.1	33	2570	56.4	37.9	19.4	434.92
TERRA	TS315	51.8	37.5	60.8*	57.0*	10- 1	1.0	33	2300	57.3	37.4	19.3	428.90
LATHAM	1140	51.6	40.8*	66.3*	47.7	9-30	1.2	29	2610	55.8	37.1	19.5	426.73
MYCOGEN	5281	51.6	39.5	62.3*	53.1	10- 1	1.0	27	2570	56.0	36.6	20.2	427.76
AA---	U94-2306	51.5	42.5*	59.5	52.5	10- 1	1.3	34	2610	56.1	37.4	19.8	430.54
STINE	2788	51.5	37.9	65.6*	51.1	9-30	1.0	28	2420	55.7	36.7	20.4	429.00
WILSON	2780	51.3	37.0	64.2*	52.8	9-30	1.0	27	2540	56.8	36.8	20.2	426.82
AA---	NE 3297	51.2	38.3	63.9*	51.5	10- 2	1.2	35	2400	56.8	37.4	19.5	425.98
HOEGEMEYER	368	50.9	39.4	58.4	54.8	10- 1	1.2	33	2400	56.7	35.8	19.8	412.80
NUPRIDE	IROQUOIS	50.8	38.7	57.8	55.8*	9-30	1.1	34	2580	56.6	37.2	20.1	424.69

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East Central Early Maturing Soybean Variety Tests - 1997



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Brand	Variety	Yield				Maturity date	Lodging rating	Plant					
		Average bu/a	Saunders bu/a	Adams bu/a	Furnas bu/a			Height inches	Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
TERRA	E364T	50.7	42.4*	64.2*	45.4	10- 2	1.2	30	2370	56.1	36.5	19.4	414.22
CROW'S	25006	50.7	35.9	64.9*	51.2	9-29	1.0	28	2710	56.0	36.9	19.7	418.78
LATHAM	EX-950	50.6	42.0*	59.9*	50.0	9-30	1.2	33	2560	56.6	37.4	19.3	419.47
CROW'S	28003	50.4	39.6	60.2*	51.3	10- 1	1.0	28	2440	56.4	36.8	20.2	419.33
KRUGER	K-2995	50.4	43.2*	60*	47.9	9-29	1.0	27	2820	55.3	36.5	20.2	417.31
KAUP SEED	KS 2865	50.4	40.3	59.8*	51.2	9-30	1.0	26	2490	55.8	37.1	20.0	419.83
AA---	APOLLO	50.2	38.1	59.0	53.4	9-27	1.2	34	2620	57.8	36.1	20.3	413.65
KRUGER	K-3222	50.2	34.8	64.5*	51.2	10- 1	1.1	32	2610	57.2	36.3	20.2	413.65
KRUGER	K-3040	50.1	37.7	60.5*	52.1	9-30	1.3	29	2700	56.8	36.7	19.9	414.33
STINE	2688	50.0	37.8	58.4	53.7	9-28	1.0	27	2740	56.9	37.3	19.4	414.00
KSC/CHALLENGER	K-2900	49.9	39.8	58.8	51.0	10- 1	1.5	32	2640	56.6	37.4	19.5	414.67
KSC/CHALLENGER	K-3131+	48.8	37.8	56.3	52.3	9-29	1.0	26	2750	56.5	37.1	19.5	403.09
DE SOY	D-2927+	48.7	41.1*	56.9	48.1	9-30	1.0	27	2810	57.1	36.3	20.1	400.31
PRAIRIE BRAND	PB-236	48.5	30.5	62.1*	52.9	10- 1	1.0	28	2600	55.7	38.2	19.1	406.43
SEXAUER	SX-3031	48.1	40.6	55.6	48.0	9-27	1.1	33	2660	56.7	36.7	20.2	399.23
TERRA	E267	47.8	37.6	52.9	53.0	10- 2	1.0	27	2570	56.1	37.1	20.2	399.61
AA---	CHAPMAN	47.6	34.8	56.0	51.9	9-29	1.1	30	2210	56.6	36.9	20.7	399.36
AA---	CONRAD	47.6	36.4	55.5	50.9	9-26	1.3	30	2700	55.8	36.0	20.1	390.32
LATHAM	680	47.6	35.4	58.0	49.3	10- 1	1.1	29	2580	54.9	36.7	19.9	393.18
AA---	KENWOOD 94	47.5	34.9	56.2	51.5	9-28	1.5	31	2830	56.5	36.2	20.1	390.45
AA---	IA 2022	47.4	36.4	56.7	49.1	9-29	1.3	33	2680	57.0	37.5	19.5	395.32
SANDS	EXP C301	47.4	34.5	55.4	52.2	9-29	1.0	29	2700	56.2	36.0	20.4	390.10
LATHAM	720	47.4	41.2*	58.5	42.6	9-30	1.0	29	2760	56.4	37.1	19.9	394.84
KAUP SEED	KS 2774	47.0	42.7*	56.2	42.1	9-30	1.0	29	2420	56.6	36.8	19.9	388.69
LATHAM	841	46.7	33.5	54.5	52.2	10- 2	1.0	25	2440	55.8	37.3	20.0	390.41
PRAIRIE BRAND	PB-235X	46.5	32.0	59.0	48.6	9-26	1.0	26	2600	55.4	37.2	19.8	386.88
AA---	SAVOY	45.9	36.8	50.8	50.0	9-25	1.3	27	2410	56.5	37.9	19.5	385.10
LATHAM	662	45.9	32.8	57.1	47.7	9-30	1.0	25	2670	55.8	37.3	19.4	380.05

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East Central Early Maturing Soybean Variety Tests - 1997



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Brand	Variety	Yield				Plant							
		Average	Saunders	Adams	Furnas	Maturity	Lodging	Height	Seeds	Bushel	Protein	Oil	EPVA
		bu/a	bu/a	bu/a	bu/a	date	rating	inches	/lb weight	weight	%	%	\$/a
SANDS	EXP 2305	45.8	34.7	56.4	46.4	10- 1	1.0	27	2740	57.2	36.6	20.1	379.22
MIDLAND	8286	45.4	37.1	58.4	40.8	9-30	1.0	28	2550	56.8	37.9	19.8	382.27
AA---	ATHOW	45.4	34.8	54.8	46.5	9-28	1.0	29	2720	57.0	37.2	19.8	378.18
KAUP SEED	KS 2977	45.4	34.7	51.6	50.0	9-29	1.0	27	2810	55.6	36.8	19.6	374.10
HY-VIGOR	320S	45.2	36.0	51.6	47.9	9-30	1.2	31	2660	57.3	37.7	19.5	377.42
AA---	OLYMPUS	44.9	35.6	54.1	44.9	9-29	1.2	29	2650	56.2	36.1	19.9	366.83
PRAIRIE BRAND	PB-218	44.8	41.9*	60.5*	32.1	10- 1	1.0	26	2390	56.1	36.6	19.8	369.15
SEXAUER	SX-2671	44.5	38.1	57.5	38.0	9-30	1.0	27	2630	57.2	37.3	19.7	370.69
SANDS	EXP 2601	44.3	33.4	57.6	41.8	10- 1	1.0	27	2580	56.6	36.9	20.0	368.58
AA---	IA 2021	44.0	37.4	55.7	39.0	9-26	1.4	27	2580	56.1	35.7	20.7	361.68
AA---	NE 2496	43.1	34.2	55.7	39.4	9-27	1.0	28	2540	56.6	37.8	19.3	360.32
LATHAM	621	43.0	34.9	52.4	41.6	9-30	1.0	26	2740	55.3	37.4	19.4	356.90
LATHAM	654STS	42.8	34.0	49.6	44.8	9-30	1.2	28	2550	55.6	37.6	19.8	359.09
LATHAM	634STS	42.7	36.6	49.1	42.5	9-27	1.3	30	2960	56.0	37.1	20.0	355.69
AA---	COLFAX	42.5	34.3	48.9	44.3	9-30	1.1	24	2310	56.7	37.0	19.9	353.18
Average all entries		49.2	38.5	58.9	50.3	9-30	1.1	29	2571	55.9	36.9	19.9	408.76
Dif. Req. for Sig.	5%	5.9	4.9	7.0	6.5	1	0.3	2	182	0.8	0.8	0.5	62.32
	25%	3.4	2.9	4.1	3.8	1	0.2	1	107	0.5	0.5	0.3	36.33

** denotes top yielding variety at each location

* denotes varieties not significantly different than top yielding variety

East Central Ealy Maturing Soybean Variety Tests 1993 - 1997



Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Two Year Averages										
KRUGER	K-3032	59.9	9-27	1.3	33	2310	56.5	36.6	19.7	510
HOEGEMEYER	312	59.7	9-28	1.1	32	2510	56.0	36.3	20.0	506
DE SOY	D-3232+	59.6	9-27	1.0	32	2460	56.5	36.5	19.9	508
DE SOY	D-3424B	59.0	9-29	1.4	35	2550	57.0	37.2	19.5	505
KRUGER	K-3132	59.0	9-29	1.1	32	2480	56.0	36.4	19.9	503
LATHAM	1140	58.2	9-26	1.4	33	2530	56.5	36.9	19.3	496
KRUGER	K-3040	57.2	9-26	1.4	33	2570	56.5	36.8	19.6	488
KRUGER	K-2995	57.2	9-24	1.1	29	2580	56.0	36.7	20.0	490
LATHAM	EX-950	57.1	9-27	1.5	37	2560	56.5	37.5	19.0	488
DE SOY	D-2927+	57.0	9-25	1.0	29	2490	57.0	36.7	19.8	486
HOEGEMEYER	368	56.4	9-27	1.6	36	2410	56.5	35.9	19.4	471
AA---	NE 3297	56.4	9-27	1.4	39	2290	57.0	37.2	19.3	483
TERRA	TS315	56.1	9-28	1.3	37	2310	57.5	37.2	19.1	478
MIDLAND	8321	55.9	9-30	1.4	36	2450	56.5	37.6	19.2	481
LATHAM	841	55.9	9-26	1.0	28	2420	56.0	37.2	19.8	480
LATHAM	720	55.6	9-25	1.2	32	2680	56.5	37.0	19.7	476
KAUP SEED	KS 2774	55.3	9-25	1.2	32	2340	58.0	37.0	19.5	471
KAUP SEED	KS 2977	55.1	9-26	1.3	31	2740	56.0	37.1	19.1	466
NUPRIDE	IROQUOIS	54.8	9-25	1.4	37	2510	57.5	37.3	19.7	472
AA---	CHAPMAN	54.3	9-23	1.4	33	2200	56.5	36.9	20.4	469
AA---	SAVOY	53.4	9-21	1.3	30	2380	56.5	38.2	19.1	461
MIDLAND	8286	53.2	9-25	1.0	31	2520	56.5	37.9	19.6	463
AA---	IA 2022	53.1	9-24	1.3	36	2580	58.0	37.4	19.3	456
AA---	CONRAD	52.8	9-21	1.4	33	2510	56.0	36.3	19.8	447
AA---	KENWOOD 94	52.2	9-21	1.7	34	2640	56.5	36.5	19.7	444
AA---	COLFAX	49.7	9-23	1.2	27	2370	56.5	36.8	19.9	425
AA---	NE 2496	49.6	9-23	1.2	31	2500	56.5	37.5	19.3	427
AA---	IA 2021	48.2	9-20	1.4	30	2380	57.0	35.8	20.5	411
Average all entries		55.4	9-25	1.3	33	2470	56.6	36.9	19.6	474
Dif. Req. for Sig. 5%		1.3	2	0.1	1	70	NS	0.2	0.2	17
25%		0.7	1	0.1	1	40	NS	0.1	0.1	10

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South Central Ealy Maturing Soybean Variety Tests

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Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Three Year Averages										
LATHAM	1140	52.9	9-26	1.3	31	2600	56.3	36.1	19.1	419
LATHAM	EX-950	52.6	9-26	1.4	34	2580	56.3	36.8	18.7	416
TERRA	TS315	51.6	9-27	1.3	36	2390	57.3	36.5	18.9	408
LATHAM	841	51.5	9-25	1.0	26	2470	56.0	36.7	19.6	412
LATHAM	720	51.3	9-25	1.1	30	2770	56.3	36.2	19.5	407
NUPRIDE	IROQUOIS	50.2	9-26	1.3	35	2590	57.0	36.7	19.3	402
AA---	CHAPMAN	50.1	9-24	1.3	32	2240	56.3	36.3	20.1	402
AA---	KENWOOD 94	48.9	9-21	1.5	33	2710	56.3	35.7	19.6	385
AA---	CONRAD	48.7	9-19	1.2	32	2600	56.0	35.7	19.6	384
AA---	COLFAX	46.5	9-23	1.1	28	2380	56.0	36.2	19.7	368
AA---	NE 2496	45.3	9-22	1.2	30	2550	56.7	37.1	19.0	363
Average all entries		50.0	9-24	1.2	31	2530	56.4	36.4	19.4	397
Dif. Req. for Sig. 5%		0.9	2	0.1	1	60	NS	0.2	0.2	121
25%		0.5	1	0.1	1	40	0.3	0.1	0.1	7
Four Year Averages										
LATHAM	1140	55.2	9-23	1.4	34	2660	56.0	35.9	19.0	412
AA---	CHAPMAN	51.1	9-20	1.4	34	2250	56.0	36.3	19.8	389
AA---	CONRAD	50.1	9-16	1.3	34	2620	55.8	35.6	19.3	374
AA---	KENWOOD 94	49.8	9-18	1.7	35	2750	56.3	35.5	19.4	372
AA---	COLFAX	48.1	9-21	1.1	28	2380	55.8	36.0	19.6	361
Average all entries		50.9	9-19	1.4	33	2530	56.0	35.9	19.4	382
Dif. Req. for Sig. 5%		0.8	1	0.1	1	60	NS	0.2	0.2	9
25%		0.5	1	0.1	1	40	NS	0.1	0.1	5
Five Year Averages										
LATHAM	1140	55.0	9-24	1.4	33	2710	56.0	35.8	18.9	400
AA---	CHAPMAN	51.1	9-21	1.4	33	2280	56.0	36.1	19.7	378
AA---	KENWOOD 94	49.5	9-19	1.7	34	2790	56.2	35.5	19.2	360
AA---	CONRAD	49.5	9-17	1.3	33	2670	55.8	35.5	19.1	360
AA---	COLFAX	48.6	9-21	1.1	27	2420	55.6	35.9	19.6	356
Average all entries		50.7	9-20	1.4	32	2570	56	35.8	19.3	371.0
Dif. Req. for Sig. 5%		0.7	1	0.1	1	50	NS	0.2	0.2	8.0
25%		0.4	1	0.1	1	30	NS	0.1	0.1	5.0

East Central Late Maturing Soybean Variety Tests - 1997



Brand	Variety	Yield				Plant				Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
		Average bu/a	Saunder bu/a	Adams bu/a	Furnas bu/a	Maturity date	Lodging rating	Height inches						
DE SOY	D-3505	54.9	40.2*	67.3*	57.1*	10- 1	1.2	32	2750	55.9	36.7	20.0	454.02	
SANDS	SOI 371	54.4	40.3*	63.6*	59.4*	9-30	1.1	30	2470	55.1	36.4	20.1	448.26	
TERRA	E387	53.5	42.2**	62.6*	55.7*	10- 4	1.0	32	2630	55.3	36.2	20.3	440.31	
JACOBSEN	J960	53.5	41.2*	67.4*	51.9	10- 1	1.0	30	2570	56.5	36.2	20.2	439.77	
M/W GENETICS	G-3141	53.3	36.3	68.7*	55.0	9-30	1.0	29	2540	56.0	36.3	20.1	438.66	
DYNA-GRO	3315	52.7	37.1	60.0	61.0**	10- 2	1.0	33	2410	56.4	37.0	19.3	433.72	
TERRA	E317	52.4	37.8*	63.8*	55.5*	9-30	1.0	30	2560	55.8	36.0	20.2	430.20	
DE SOY	D-3505B	52.4	38.4*	60.9*	58.0*	10- 1	1.1	33	2570	56.2	36.5	19.8	430.73	
STINE	3290	52.3	38.4*	62.2	56.2*	10- 1	1.0	30	2670	54.5	36.8	20.1	433.57	
KRUGER	K-3525A	52.1	36.9	69.3*	50.0	10- 1	1.0	29	2650	56.2	37.1	19.7	432.43	
NUPRIDE	NEMAHA	52.0	34.1	66.3*	55.7*	10- 4	1.2	32	2460	55.6	36.8	20.4	433.68	
LATHAM	962	51.7	38.4*	58.2	58.6*	9-30	1.0	28	2490	55.8	36.1	20.1	424.46	
SEXAUER	SX-3261	51.5	33.1	68.1*	53.3	10- 2	1.1	33	2280	56.8	37.4	19.5	427.97	
PRAIRIE BRAND	PB-335	51.5	36.0	65.1*	53.5	10- 2	1.1	30	2780	56.2	36.6	20.0	425.90	
LG SEEDS	LG6288	51.4	37.3*	61.9*	54.9	9-30	1.0	28	2500	55.6	36.6	20.1	425.08	
KRUGER	K-3222+	51.4	35.2	69.8**	49.2	10- 1	1.1	32	2640	55.8	36.1	20.2	421.99	
KRUGER	K-3434	51.4	35.8	65.9*	52.5	10- 1	1.1	32	2550	56.6	36.0	20.1	420.97	
-----	PROBST	51.1	40.9*	56.3	56.0*	10- 1	1.1	32	2660	56.8	37.2	19.8	425.66	
PRAIRIE BRAND	PB-322	51.1	38.5*	62.2*	52.5	10- 1	1.0	32	2330	56.5	37.1	19.3	421.06	
CROW'S	32003	51.0	37.0	63.3*	52.8	10- 1	1.0	29	2500	55.6	36.2	20.4	421.26	
DE SOY	D-3525	50.8	38.5*	60.9*	53.0	10- 2	1.0	29	2750	56.5	37.2	19.8	422.66	
KRUGER	K-3424	50.7	37.9*	60.6*	53.7	10- 1	1.1	31	2660	56.3	36.8	19.9	419.29	
M/W GENETICS	G-3242	50.5	37.1	64.1*	50.2	10- 1	1.1	32	2610	56.5	36.1	20.1	414.10	
WILSON	3110	50.4	35.7	61.9*	53.6	10- 1	1.0	28	2560	56.0	36.6	20.1	416.30	
TERRA	TS315	50.4	34.9	60.4*	55.9*	10- 1	1.0	32	2340	56.5	37.1	19.2	415.30	
STINE	3171	50.4	36.4	64.0*	50.7	10- 1	1.1	32	2720	57.2	36.0	20.3	413.28	
JACOBSEN	J971	50.4	38.9*	62.4*	49.8	10- 1	1.2	32	2700	55.9	36.4	19.9	414.29	
DE SOY	D-3555	50.4	39.2*	62.3*	49.6	9-30	1.0	29	2470	56.5	37.1	19.6	417.31	
KRUGER	K-3500	50.3	34.5	58.4	58.0*	10- 3	1.0	34	2600	56.6	36.6	19.8	413.47	
KAUP SEED	KS 2887	50.3	35.1	65.5*	50.2	9-30	1.0	28	2480	56.2	36.2	20.6	416.48	

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East Central Late Maturing Soybean Variety Tests - 1997



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Brand	Variety	Yield				Plant			Seeds /lb weight	Bushel weight	Protein %	Oil %	EPVA \$/a
		Average bu/a	Saunders bu/a	Adams bu/a	Furnas bu/a	Maturity date	Lodging rating	Height inches					
PRAIRIE BRAND	PB-293	50.0	38.1*	61.9*	49.9	9-30	1.0	28	2510	55.7	36.3	20.2	412.00
-----	NE 3297	49.7	36.1	65.2*	47.8	10- 1	1.3	35	2430	55.9	36.8	19.9	412.01
MIDLAND	8330	49.7	37.1	58.6	53.4	10- 2	1.2	30	2800	56.2	36.7	20.0	411.52
DE SOY	D-3525E	49.4	35.3	62.8*	50.2	10- 2	1.1	30	2710	56.0	37.1	19.8	410.51
HOEGEMEYER	365	49.2	38.1*	61.8*	47.7	9-30	1.2	29	2710	55.4	36.6	19.8	404.92
KSC/CHALLENGER	K-3414	49.1	41.7*	57.8	47.9	10- 1	1.1	31	2380	56.2	37.0	19.5	404.58
-----	U94-3412	48.8	34.5	62.5*	49.4	10- 1	1.1	30	2650	56.1	37.1	19.7	404.55
MIDLAND	8355	48.5	36.1	54.0	55.5*	10- 5	1.0	29	2850	56.3	36.2	20.0	397.21
-----	DUNBAR	48.4	32.6	54.8	57.8*	10- 1	1.1	31	2800	57.5	37.0	19.9	401.72
LG SEEDS	LG6339	48.3	35.5	60.8*	48.7	10- 1	1.0	30	2720	56.0	37.0	19.9	401.37
HOEGEMEYER	380	47.9	37.6*	54.1	52.1	10- 2	1.1	32	2570	56.6	37.2	19.5	396.61
-----	HAMILTON	47.8	34.3	58.6	50.5	10- 5	1.5	32	2520	56.2	36.6	20.2	395.78
NUPRIDE	IROQUOIS	47.7	35.3	57.1	50.8	9-30	1.1	33	2600	56.4	37.1	19.9	396.86
CROW'S	33003	47.7	33.7	56.3	53.2	10- 1	1.3	32	2640	56.4	36.8	20.0	394.96
SANDS	EXP 2903	47.5	34.4	56.8	51.2	10- 1	1.2	31	2540	56.5	37.1	19.4	392.82
JACOBSEN	J953	47.5	36.0	55.1	51.3	10- 1	1.3	31	2720	56.2	36.8	20.2	394.73
SANDS	EXP 3004	47.4	37.5*	57.0	47.6	9-28	1.0	29	2420	56.7	37.5	19.8	396.26
SEXAUER	SX-3161	47.0	33.1	62.4*	45.5	9-30	1.0	29	2640	56.0	36.5	20.1	388.22
KAUP SEED	KS 3464	47.0	34.2	59.5	47.2	9-28	1.2	27	2540	55.7	36.0	20.2	384.93
-----	ODELL	46.5	34.1	60.1	45.2	10- 4	1.5	32	2700	55.7	36.5	20.2	384.56
-----	RESNIK	46.4	32.2	54.4	52.7	10- 1	1.1	31	2730	55.6	37.3	19.8	386.51
NUPRIDE	MACON	46.4	38.0*	56.1	45.1	10- 2	1.3	30	2440	56.6	36.6	19.8	381.87
LG SEEDS	LG6369	46.2	37.4*	57.9	43.2	10- 2	1.2	32	2470	55.7	36.4	20.1	380.69
TERRA	E364T	45.7	38.9*	56.8	41.5	10- 2	1.2	30	2320	54.9	36.2	19.6	372.91
-----	NE 3396	44.6	32.6	51.7	49.4	10- 1	1.0	29	2890	56.2	37.8	19.5	373.30
-----	IA 2022	44.2	31.7	53.0	47.8	9-28	1.1	33	2440	56.1	37.3	19.6	367.74
-----	ATHOW	42.7	33.3	50.1	44.6	9-28	1.0	28	2770	56.2	36.9	19.9	354.41
Average all entries		49.5	36.4	60.5	51.6	10- 1	1.1	31	2581	55.7	36.7	19.9	409.61
Dif. Req. for Sig.													
5%		5.7	4.9	9.5	5.6	1	0.3	2	166	NS	0.8	0.5	NS
25%		3.3	2.9	5.6	3.3	1	0.2	1	96	0.7	0.5	0.3	NS

** denotes top yielding variety at each location

* denotes varieties not significantly different than top yielding variety

East Central Late Maturing Soybean Variety Tests 1993-1997



Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Two Year Averages										
M/W GENETICS	G-3141	59.7	9-27	1.1	32	2460	56.0	36.2	19.9	489
JACOBSEN	J960	59.4	9-28	1.1	33	2510	56.5	36.1	19.9	485
STINE	3171	58.6	9-28	1.2	36	2610	57.0	36.2	19.8	479
KRUGER	K-3525A	58.5	9-28	1.0	33	2590	56.0	37.1	19.4	483
DE SOY	D-3505	58.3	9-29	1.4	35	2680	57.0	36.8	19.6	480
DE SOY	D-3505B	57.7	9-28	1.2	36	2480	57.0	36.5	19.6	472
DE SOY	D-3525	57.5	9-29	1.1	33	2640	56.0	37.1	19.5	474
HOEGEMEYER	365	56.9	9-27	1.3	34	2630	55.5	36.7	19.5	466
NUPRIDE	NEMAHA	56.0	9-30	1.4	35	2370	56.5	36.8	20.1	464
SEXAUER	SX-3261	55.9	9-30	1.4	37	2200	58.5	37.6	19.1	463
TERRA	TS315	55.7	9-28	1.1	36	2280	57.5	37.2	19.1	458
JACOBSEN	J953	54.9	9-28	1.4	35	2690	57.5	36.8	19.8	453
KAUP SEED	KS 3464	54.8	9-24	1.2	31	2510	56.5	36.3	19.8	448
AA---	NE 3297	54.2	9-28	1.4	39	2310	56.5	37.2	19.4	448
AA---	PROBST	54.2	9-29	1.3	36	2590	57.0	37.2	19.4	448
SEXAUER	SX-3161	53.9	9-28	1.2	34	2560	57.0	36.5	19.8	443
NUPRIDE	MACON	53.4	9-30	1.5	34	2310	57.0	36.9	19.4	438
AA---	HAMILTON	53.4	10- 1	1.7	35	2400	57.0	36.9	19.8	442
AA---	DUNBAR	52.8	9-28	1.3	35	2730	58.0	37.3	19.4	438
NUPRIDE	IROQUOIS	52.5	9-25	1.3	36	2540	56.5	37.4	19.5	437
AA---	ODELL	52.3	10- 1	1.9	36	2560	57.0	36.7	19.9	432
AA---	IA 2022	52.0	9-24	1.1	36	2520	57.0	37.3	19.4	431
AA---	NE 3396	51.3	9-29	1.2	33	2760	56.5	38.2	19.0	429
AA---	RESNIK	51.3	9-29	1.3	35	2670	56.5	37.5	19.4	427
AA---	ATHOW	50.0	9-26	1.2	32	2610	56.5	37.2	19.5	414
Average all entries		55.0	9-28	1.3	34	2530	56.8	36.9	19.6	454
Dif. Req. for Sig. 5%		1.2	1	0.1	1	40	NS	0.2	0.1	10
25%		0.7	1	0.1	1	20	0.4	0.1	0.1	6

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East Central Late Maturing Soybean Variety Tests

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Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Three Year Averages										
DE SOY	D-3505	53.8	9-27	1.5	34	2690	57.3	36.1	19.3	414
DE SOY	D-3525	53.8	9-28	1.2	31	2640	56.3	36.5	19.3	415
DE SOY	D-3505B	53.1	9-28	1.3	35	2520	57.7	36.1	19.1	407
HOEGEMEYER	365	52.6	9-27	1.3	32	2660	56.0	36.1	19.2	403
NUPRIDE	NEMAHA	51.9	9-30	1.3	34	2460	56.7	36.2	19.8	402
SEXAUER	SX-3261	51.8	9-29	1.4	36	2270	58.3	36.8	18.9	400
KAUP SEED	KS 3464	51.2	9-23	1.2	30	2520	56.7	35.6	19.5	391
JACOBSEN	J953	51.0	9-27	1.5	34	2770	57.3	36.0	19.4	392
NUPRIDE	IROQUOIS	49.9	9-26	1.2	35	2580	56.7	36.8	19.2	385
AA---	PROBST	49.5	9-28	1.3	34	2660	56.7	36.5	19.1	383
NUPRIDE	MACON	49.2	9-30	1.5	32	2440	57.0	36.2	19.1	378
AA---	DUNBAR	49.1	9-28	1.2	34	2820	58.3	36.7	19.1	380
AA---	HAMILTON	48.5	10- 2	1.8	34	2490	57.0	36.3	19.6	377
AA---	ODELL	48.4	10- 2	1.9	35	2650	57.0	36.0	19.7	374
AA---	RESNIK	47.9	9-28	1.3	33	2780	56.7	37.0	19.1	371
AA---	NE 3396	47.1	9-28	1.1	31	2880	56.7	37.6	18.7	368
Average all entries		50.5	9-28	1.4	33	2610	57.0	36.4	19.2	390
Dif. Req. for Sig. 5%		0.9	1	0.1	1	40	0.2	0.1	0.1	10
25%		0.5	1	0.1	1	20	0.1	0.1	0.1	6
Four Year Averages										
DE SOY	D-3505	57.5	9-25	1.5	35	2690	56.8	36.0	19.1	419
DE SOY	D-3525	57.4	9-26	1.4	35	2670	56.0	36.2	19.1	420
HOEGEMEYER	365	56.1	9-24	1.4	34	2680	55.8	35.9	19.0	407
AA---	PROBST	54.0	9-26	1.5	37	2670	56.3	36.2	18.8	393
AA---	HAMILTON	52.9	9-30	1.9	36	2430	56.5	36.2	19.4	389
AA---	DUNBAR	52.1	9-25	1.4	37	2800	58.3	36.6	18.9	382
AA---	RESNIK	51.8	9-26	1.4	36	2770	56.3	36.6	18.9	380
Average all entries		54.5	9-26	1.5	36	2670	56.5	36.3	19.0	399
Dif. Req. for Sig. 5%		0.8	1	0.1	NS	40	0.3	0.1	0.1	6
25%		0.5	1	0.1	1	20	0.2	0.1	0.1	3
Five Year Averages										
HOEGEMEYER	365	55.4	9-25	1.4	34	2740	56.0	35.8	18.8	394
AA---	DUNBAR	52.1	9-26	1.4	36	2880	58.4	36.4	18.6	373
AA---	HAMILTON	52.0	9-30	1.9	35	2510	56.6	36.1	19.2	375
AA---	RESNIK	51.3	9-26	1.4	35	2840	56.2	36.6	18.7	368
Average all entries		52.7	9-27	1.5	36	2750	56.8	36.2	18.8	377
Dif. Req. for Sig. 5%		0.7	1	0.1	1	30	0.2	0.1	0.1	10
25%		0.4	1	0.1	1	20	0.1	0.1	0.1	6

Southeast Early Maturing Soybean Variety Tests - 1997



Brand	Variety	Yield			Maturity date	Lodging rating	Plant Height inches	Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
		Average bu/a	Nemaha bu/a	Clay bu/a								
STINE	3171	64.5	56.5**	72.4*	9-19	1.1	38	2670	56.4	35.7	20.7	530.19
KRUGER	K-3434	62.7	52.1*	73.2**	9-20	1.0	37	2660	55.8	36.1	20.3	516.02
KRUGER	K-3525	60.7	49.2*	72.1*	9-19	1.0	36	2680	55.7	36.9	20.1	504.42
DE SOY	D-3222	59.9	51.3*	68.4*	9-20	1.3	36	2710	56.4	36.0	20.2	490.58
LG SEEDS	LG6339	59.4	48.5	70.3*	9-21	1.3	36	2820	55.6	37.7	19.8	498.96
SEXAUER	SX-3261	59.3	52.7*	65.9	9-20	1.4	37	2330	56.9	37.5	19.5	493.38
M/W GENETICS	G-3300	58.7	47.6	69.8*	9-21	1.3	36	2920	56.8	37.5	19.7	490.73
LG SEEDS	LG6369	58.6	48.8*	68.3*	9-20	1.4	38	2660	56.3	36.3	19.9	480.52
MERSHMAN	MOHAVE III	58.3	52.4*	64.2	9-17	1.3	33	2650	55.0	36.5	20.1	481.56
DE SOY	D-3424	58.3	52.9*	63.6	9-21	1.0	35	2830	55.5	37.7	19.5	486.80
MERSHMAN	HARRISON IV	57.9	48.6*	67.2	9-20	1.0	37	2650	55.9	36.1	20.6	478.83
STINE	3290	57.0	50.8*	63.2	9-19	1.0	35	2720	55.6	36.9	20.2	474.24
-----	ODELL	56.8	49.7*	63.9	9-22	1.5	38	2580	56.4	36.5	20.5	471.44
HOEGEMEYER	312	56.8	51.0*	62.5	9-17	1.0	33	2560	55.4	35.7	21.0	468.60
SEXAUER	SX-3161	56.3	51.2*	61.3	9-19	1.3	37	2930	56.3	36.9	19.6	463.91
-----	NE 3297	56.1	45.5	66.6	9-20	1.4	41	2580	55.7	37.5	19.5	466.75
LEWIS HYBRIDS	310	56.1	51.7*	60.4	9-17	1.1	34	2600	55.5	35.6	20.5	458.34
DYNA-GRO	3304	56.1	55.4*	56.8	9-19	1.0	33	2380	55.9	35.9	20.3	459.46
KRUGER	K-3505+	55.8	50.9*	60.7	9-20	1.4	37	2880	56.8	37.1	19.7	462.58
TERRA	TS364	55.6	52.3*	58.9	9-22	1.3	35	2540	56.3	37.0	19.4	458.14
NUPRIDE	NEMAHA	55.5	47.4	63.6	9-21	1.3	36	2540	55.6	37.1	20.7	466.76
MIDLAND	8321	55.5	51.6*	59.3	9-20	1.3	37	2920	56.7	37.9	19.3	463.98
WILSON	3110	54.9	49.8*	59.9	9-18	1.0	33	2500	55.4	36.0	20.5	451.28
-----	U94-2306	54.7	47.5	61.8	9-19	1.4	39	2830	55.5	37.1	20.3	458.39
KAUP SEED	KS 2887	54.7	49.4*	60.0	9-15	1.0	31	2490	55.2	36.1	20.9	453.46
-----	U94-3412	54.6	45.1	64.1	9-20	1.1	35	3220	55.9	36.9	20.0	453.73
MIDLAND	8287	54.5	47.1	61.9	9-15	1.0	31	2520	54.9	35.5	21.0	448.54
SANDS	SOI 371	54.2	49.9*	58.4	9-16	1.0	34	2450	54.7	35.5	20.9	445.52
MERSHMAN	TRUMAN V	53.9	49.1*	58.7	9-20	1.5	36	2730	56.5	37.7	19.8	452.22
KAUP SEED	KS 3375	53.8	44.9	62.6	9-19	1.0	37	2290	56.2	37.3	19.3	445.46
DE SOY	D-3779	53.8	50.1*	57.4	9-20	1.0	36	2530	56.0	36.6	19.6	441.16

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Southeast Early Maturing Soybean Variety Tests - 1997

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Brand	Variety	Yield			Maturity date	Lodging rating	Plant Height inches	Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
		Average bu/a	Nemaha bu/a	Clay bu/a								
DE SOY	D-3738	53.7	51.1*	56.3	9-21	1.1	35	2510	56.4	37.4	18.9	442.49
PRAIRIE BRAND	PB-345	53.5	48.7*	58.2	9-18	1.0	34	2520	55.9	37.7	19.5	446.72
M/W GENETICS	G-3141	53.3	49.2*	57.4	9-15	1.0	32	2480	55.4	35.6	21.1	439.72
TERRA	E387	53.0	41.5	64.4	9-24	1.3	36	3120	56.2	35.9	20.5	435.66
LG SEEDS	LG6298	53.0	48.0	58.0	9-18	1.5	37	3340	56.0	36.7	19.8	436.72
KRUGER	K-3232	53.0	49.2*	56.7	9-18	1.0	33	2720	55.8	37.3	19.8	441.49
-----	ATHOW	52.9	46.0	59.8	9-16	1.1	34	2880	56.2	36.7	19.9	436.95
-----	PROBST	52.9	48.9*	56.9	9-20	1.4	36	2810	56.8	37.5	19.8	442.24
WILLCROSS	9531	52.5	47.6	57.3	9-19	1.3	35	2810	55.1	36.4	20.7	437.32
DE SOY	D-3717	52.4	47.6	57.1	9-21	1.1	36	2550	57.4	38.3	19.7	443.30
HOEGEMEYER	285	51.7	43.0	60.4	9-17	1.0	33	2600	56.2	36.4	20.1	426.53
TERRA	E364T	51.5	48.6*	54.3	9-20	1.1	35	2650	56.4	36.9	19.2	421.78
KRUGER	K-3769+	51.2	46.1	56.2	9-20	1.3	35	2720	56.0	37.9	19.2	427.52
SANDS	SOI 370	51.0	45.2	56.7	9-19	1.3	33	2720	56.2	38.5	19.2	430.44
NUPRIDE	IROQUOIS	50.9	45.7	56.0	9-17	1.4	37	2860	55.7	36.8	20.7	426.54
HOEGEMEYER	365	50.8	43.5	58.1	9-17	1.1	34	2940	54.9	37.0	19.7	420.12
-----	RESNIK	50.1	42.9	57.2	9-18	1.3	35	3040	55.8	38.1	19.6	422.34
-----	SAVOY	49.5	39.1	59.9	9-14	1.3	31	2440	54.8	37.3	20.1	414.31
-----	DUNBAR	49.4	44.6	54.2	9-18	1.3	35	2980	57.4	37.7	20.2	416.94
KAUP SEED	KS 2977	49.4	42.2	56.6	9-17	1.0	32	3090	55.9	37.2	19.7	410.02
-----	KENWOOD 94	49.0	44.2	53.8	9-12	1.6	35	3350	54.6	35.1	20.6	396.90
-----	CHAPMAN	48.7	42.4	54.9	9-14	1.1	35	2260	55.4	37.0	21.0	411.51
NUPRIDE	MACON	48.4	44.8	52.0	9-20	1.1	36	2670	56.7	36.9	20.0	401.72
-----	COLFAX	48.2	47.0	49.3	9-13	1.0	26	2390	56.0	36.7	20.2	400.06
-----	IA 2022	45.2	34.8	55.6	9-13	1.3	37	2700	51.4	37.1	19.7	374.71
-----	NE 2496	41.7	30.0	53.3	9-12	1.0	31	2600	54.7	37.0	20.5	349.86
Average all entries		53.9	47.5	60.5	9-18	1.2	35	2700	55.8	36.8	20.1	445.49
Dif. Req. for Sig. 5%		7.8	7.9	5.3	3	0.3	2	270	1.8	0.9	0.6	110.96
25%		4.5	4.6	3.1	2	0.2	1	160	1.1	0.5	0.3	63.69

** denotes highest yielding variety at each location

* denotes varieties not significantly different than top yielding variety

Southeast Early Maturing Soybean Variety Tests 1993 - 1997



Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Two Year Averages										
STINE	3171	66.7	9-24	1.2	37	2560	56.0	36.1	20.0	546
KRUGER	K-3525	63.0	9-24	1.1	34	2560	55.5	37.1	19.6	523
DE SOY	D-3424	61.9	9-25	1.0	34	2600	55.5	37.7	19.1	514
M/W GENETICS	G-3141	61.1	9-22	1.0	32	2390	55.5	36.1	20.2	502
KRUGER	K-3505+	60.3	9-25	1.3	37	2730	57.0	37.2	19.5	499
SEXAUER	SX-3261	59.8	9-25	1.5	37	2190	57.0	37.5	19.2	495
DE SOY	D-3738	59.1	9-27	1.2	34	2330	56.0	37.4	18.8	487
SEXAUER	SX-3161	58.6	9-24	1.3	36	2680	56.0	37.0	19.4	483
DE SOY	D-3717	58.3	9-26	1.1	36	2260	57.0	38.4	19.0	490
HOEGEMEYER	365	58.1	9-22	1.2	34	2720	55.5	37.1	19.2	479
KAUP SEED	KS 3375	57.9	9-24	1.1	37	2220	56.5	37.4	19.0	477
MIDLAND	8321	57.8	9-24	1.2	36	2660	57.0	37.7	19.1	481
TERRA	TS364	57.6	9-27	1.2	34	2340	56.0	37.4	19.0	475
KRUGER	K-3769+	57.4	9-26	1.3	36	2590	56.0	37.7	18.9	475
AA---	NE 3297	57.4	9-24	1.4	40	2410	56.0	37.5	19.3	476
WILLCROSS	9531	57.1	9-23	1.3	35	2570	55.5	36.8	20.1	475
NUPRIDE	IROQUOIS	57.0	9-22	1.3	37	2620	56.5	37.3	19.9	476
NUPRIDE	NEMAHA	57.0	9-26	1.3	35	2450	56.0	37.1	20.1	476
AA---	ATHOW	55.9	9-20	1.1	33	2650	56.5	37.1	19.5	462
AA---	PROBST	55.9	9-24	1.2	36	2680	57.0	37.4	19.4	464
NUPRIDE	MACON	55.5	9-26	1.2	36	2420	57.0	37.1	19.3	458
AA---	ODELL	55.4	9-27	1.4	37	2530	56.0	36.8	19.9	459
AA---	CHAPMAN	55.2	9-19	1.2	34	2140	55.5	37.1	20.5	464
AA---	RESNIK	54.3	9-23	1.2	35	2800	56.0	38.2	19.1	455
AA---	DUNBAR	54.0	9-23	1.2	36	2790	57.5	37.8	19.5	452
AA---	SAVOY	53.7	9-19	1.2	30	2310	55.5	38.0	19.3	450
AA---	COLFAX	53.2	9-19	1.0	27	2200	55.5	37.0	19.8	442
AA---	KENWOOD 94	53.1	9-18	1.5	35	2920	55.0	36.0	19.9	433
AA---	IA 2022	50.2	9-19	1.3	38	2620	54.0	37.5	19.2	416
AA---	NE 2496	49.5	9-18	1.1	31	2500	55.5	37.7	19.7	414
Average all entries		57.0	9-23	1.2	35	2510	56.1	37.3	19.5	473
Dif. Req. for Sig. 5%		2.3	1	0.1	1	80	NS	0.3	0.1	19
25%		1.3	1	0.1	1	50	1.5	0.2	0.1	11

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Southeast Early Maturing Soybean Variety Tests

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Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Three Year Averages										
STINE	3171	64.0	9-26	1.3	38	2650	56.3	35.6	19.9	489
KRUGER	K-3505+	59.4	9-27	1.4	37	2680	57.0	36.5	19.5	456
SEXAUER	SX-3261	58.6	9-26	1.4	37	2310	57.3	37.0	19.2	452
TERRA	TS364	57.6	9-29	1.1	34	2420	56.3	36.7	19.0	439
NUPRIDE	IROQUOIS	56.5	9-24	1.3	37	2660	56.7	36.8	19.7	437
HOEGEMEYER	365	56.5	9-25	1.2	33	2770	55.7	36.4	19.4	434
AA---	PROBST	55.1	9-26	1.2	36	2800	57.3	36.7	19.4	424
AA---	CHAPMAN	54.8	9-21	1.1	34	2170	56.0	36.6	20.4	428
AA---	RESNIK	54.8	9-26	1.2	35	2850	56.3	37.4	19.2	424
AA---	DUNBAR	53.7	9-25	1.2	35	2930	57.7	36.9	19.5	415
Average all entries		57.1	9-26	1.2	39	2620	56.7	36.7	19.5	440
Dif. Req. for Sig. 5%		NS	1	0.1	1	70	0.1	0.1	0.1	13
25%		0.9	1	0.1	1	40	0.1	0.1	0.1	7
Four Year Averages										
HOEGEMEYER	365	55.3	9-23	1.5	33	2740	55.3	36.1	19.3	408
AA---	PROBST	54.1	9-24	1.4	36	2710	56.8	36.3	19.3	399
AA---	RESNIK	53.1	9-24	1.5	35	2820	56.0	37.1	19.2	396
AA---	CHAPMAN	53.0	9-19	1.3	33	2160	55.5	36.2	20.4	399
AA---	DUNBAR	52.2	9-24	1.5	34	2860	57.3	36.7	19.3	388
Average all entries		53.5	9-23	1.4	34	2660	56.2	36.5	19.5	398
Dif. Req. for Sig. 5%		NS	1	NS	1	60	0.1	0.1	0.1	8
25%		NS	1	NS	1	30	0.1	0.1	0.1	5
Five Year Averages										
HOEGEMEYER	365	54.9	9-24	1.6	33	2750	55.4	36.0	19.2	396
AA---	CHAPMAN	53.1	9-20	1.5	33	2190	55.8	36.1	20.2	390
AA---	RESNIK	52.2	9-24	1.5	35	2840	56.2	37.0	19.1	381
AA---	DUNBAR	51.7	9-25	1.4	34	2920	57.6	36.6	19.1	376
Average all entries		53.0	9-23	1.5	34	2670	56.3	36.4	19.4	386
Dif. Req. for Sig. 5%		NS	1	NS	1	50	0.1	0.1	0.1	NS
25%		0.5	1	NS	1	30	0.1	0.1	0.1	4

Southeast Late Maturing Soybean Variety Tests - 1997



Brand	Variety	Yield			Maturity date	Plant		Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
		Average bu/a	Nemaha bu/a	Clay bu/a		Lodging rating	Height inches					
M/W GENETICS	G-3996	63.5	57.0*	70.0**	9-30	1.4	37	3180	56.2	36.4	19.8	521.34
KRUGER	K-3939	63.4	58.2*	68.5*	9-28	1.6	37	3090	56.1	36.3	19.9	520.51
PRAIRIE BRAND	PB-382	62.1	56.3*	67.8*	9-28	1.4	36	3150	55.5	36.3	19.8	508.60
SANDS	EXP 9535	61.6	61.0**	62.1	9-23	1.4	37	2790	56.1	38.2	18.6	512.51
DE SOY	D-3919	61.5	58.0*	65.0*	9-28	1.5	44	2540	57.2	38.2	19.2	516.60
TERRA	E387	61.4	55.2	67.6*	9-29	1.1	39	2940	56.1	36.7	19.5	504.71
DYNA-GRO	3367A	61.4	56.7*	66.0*	9-26	1.0	37	2460	55.8	37.1	18.9	502.25
DE SOY	D-3828	61.3	56.8*	65.8*	9-26	1.1	39	2730	56.0	36.3	19.9	503.27
WILLCROSS	9640	61.0	55.7*	66.3*	9-29	1.6	40	3100	56.2	37.2	19.4	504.47
KRUGER	K-3779	60.9	58.5*	63.2	9-24	1.1	38	2450	55.8	37.5	18.6	499.99
MERSHMAN	EISENHOWER IV	60.8	54.5	67.1*	9-29	1.1	38	2890	56.0	37.0	19.6	502.82
KAUP SEED	KS 3287	60.6	56.1*	65.1*	9-20	1.0	35	2660	55.3	36.7	19.5	496.92
KRUGER	K-4040+	60.4	54.3	66.4*	9-29	1.1	38	2990	55.8	36.5	19.8	496.49
CROW'S	39007	60.4	54.5	66.2*	9-29	1.0	37	3010	56.2	36.1	20.0	494.68
CROW'S	38004	60.3	54.8	65.8*	9-26	1.1	39	2720	55.7	36.4	19.8	495.06
KRUGER	K-4040A	60.1	52.9	67.2*	9-29	1.4	37	3100	55.9	36.5	19.9	495.22
MERSHMAN	FILLMORE IV	60.0	57.5*	62.5	9-25	1.1	37	2440	55.9	37.6	18.5	493.20
STINE	3870	59.9	54.7	65.1*	9-29	1.4	39	2990	55.8	36.9	19.6	494.18
M/W GENETICS	G-3626	59.2	56.1*	62.3	9-28	1.0	36	2460	56.7	37.8	18.9	491.36
DE SOY	D-3738	59.0	54.2	63.7	9-28	1.4	36	2360	56.3	37.9	18.6	488.52
CROW'S	33003	58.9	56.3*	61.5	9-26	1.4	38	2880	56.8	38.2	18.9	492.40
MERSHMAN	MADISON V	58.4	54.3	62.4	9-29	1.5	35	2680	56.1	38.9	18.3	489.39
TERRA	TS415	58.1	53.0	63.2	9-30	1.6	42	3050	55.9	36.4	20.0	478.16
NUPRIDE	IROQUOIS	58.0	55.0	61.0	9-20	1.3	40	2740	56.2	38.0	19.3	486.04
KAUP SEED	KS 3464	58.0	53.2	62.7	9-19	1.3	34	2770	55.0	36.8	19.5	477.34
LEWIS HYBRIDS	360	57.9	56.0*	59.7	9-28	1.3	36	2430	56.3	38.1	18.5	480.57
-----	HAMILTON	57.5	53.0	61.9	9-30	1.5	37	2550	56.4	37.9	19.5	481.85
DE SOY	D-3770	57.5	54.5	60.5	9-22	1.3	37	2790	56.2	37.6	18.9	475.52

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Southeast Late Maturing Soybean Variety Tests - 1997



Page 2

Brand	Variety	Yield			Maturity date	Plant		Seeds /lb	Bushel weight	Protein %	Oil %	EPVA \$/a
		Average bu/a	Nemaha bu/a	Clay bu/a		Lodging rating	Height inches					
-----	NE 3396	57.3	52.6	62.0	9-25	1.0	35	2970	56.2	39.4	18.6	487.62
MIDLAND	8343	56.5	51.3	61.6	9-23	1.5	45	3130	55.6	36.3	19.9	463.87
TERRA	TS402	56.4	52.6	60.2	9-28	1.1	39	2830	56.6	37.7	19.3	470.38
DE SOY	D-3999	56.4	54.2	58.6	9-29	1.4	36	2750	56.4	38.4	18.6	471.50
HOEGEMEYER	380	56.1	53.2	59.0	9-25	1.4	38	2730	56.0	38.3	18.6	467.87
KRUGER	K-3777+	55.7	54.0	57.4	9-21	1.0	37	2860	56.2	38.0	18.8	462.87
HOEGEMEYER	368	55.3	51.8	58.7	9-18	1.3	36	2530	56.1	36.2	19.2	447.38
HOEGEMEYER	401	54.5	53.8	55.1	9-28	1.3	38	2880	56.8	37.4	19.4	452.35
WILLCROSS	92	54.4	54.0	54.7	9-28	1.1	38	2870	56.7	37.4	19.4	452.06
SANDS	SOI 306	53.7	48.4	59.0	9-25	1.1	37	2790	56.1	38.2	18.7	447.86
MIDLAND	8371	53.5	51.9	55.1	9-27	1.4	37	3030	57.3	38.7	18.8	451.01
-----	Maverick	53.4	51.4	55.4	9-28	1.4	47	2950	56.0	38.0	19.2	446.42
MIDLAND	8355	52.9	51.9	53.8	9-26	1.1	33	3050	56.6	37.4	19.4	439.60
Average all entries		58.0	54.6	61.7	26	1.3	38	2817	56.1	37.5	19.2	483.56
Dif. Req. for Sig. 5%		5.2	5.3	6.0	3	0.3	1	213	0.7	0.8	0.5	60.43
25%		3.0	3.1	3.5	2	0.2	1	124	0.4	0.5	0.3	35.17

** denotes highest yielding variety at each location

* denotes varieties not significantly different than top yielding variety

Southeast Late Maturing Soybean Variety Tests 1993-1997



Brand	Variety	Average bu/a	Maturity date	Lodging rating	Plant height inches	Seeds /lb	Bushel lb/bu	Protein %	Oil %	EPVA \$/a
Two Year Averages										
KAUP SEED	KS 3464	60.4	9-23	1.3	33	2560	55.5	36.7	19.4	495
NUPRIDE	IROQUOIS	57.2	9-24	1.3	38	2580	56.0	38.0	19.1	478
SANDS	EXP 9535	62.4	9-26	1.3	36	2590	56.5	37.9	18.6	517
AA---	NE 3396	57.5	9-27	1.2	34	2820	56.0	39.0	18.6	485
MERSHMAN	FILLMORE IV	61.7	9-28	1.2	37	2470	56.5	37.5	18.8	508
HOEGEMEYER	380	57.6	9-29	1.2	37	2600	56.0	37.7	18.7	476
M/W GENETICS	G-3626	61.2	9-30	1.0	35	2260	56.5	37.7	18.7	506
HOEGEMEYER	401	57.2	10- 1	1.4	38	2650	56.5	37.3	19.3	473
LEWIS HYBRIDS	360	61.5	10- 1	1.2	35	2260	56.0	37.8	18.6	508
TERRA	TS402	56.1	10- 1	1.2	38	2610	56.5	37.5	19.0	463
WILLCROSS	92	55.8	10- 1	1.1	37	2650	56.5	37.2	19.3	461
AA---	HAMILTON	56.9	10- 2	1.5	36	2390	56.5	37.6	19.4	473
CROW'S	39007	59.8	10- 2	1.1	36	2830	56.5	36.1	19.7	487
KRUGER	K-4040+	63.1	10- 2	1.4	37	2830	56.0	36.5	19.6	516
M/W GENETICS	G-3996	63.2	10- 2	1.4	38	2880	56.0	36.8	19.3	518
TERRA	TS415	58.2	10- 3	1.6	41	2890	56.0	36.9	19.4	479
Average all entries		59.3	9-29	1.3	36	2620	56.2	39.4	19.1	490
Dif. Req. for Sig. 5%		1.5	1	0.1	1	70	NS	0.3	0.1	12
25%		0.8	1	0.1	1	40	NS	0.2	0.1	7
Three Year Averages										
MERSHMAN	FILLMORE IV	59.1	9-29	1.1	36	2540	56.7	36.2	18.7	449
KAUP SEED	KS 3464	59.1	9-24	1.3	33	2640	55.7	35.7	19.3	448
NUPRIDE	IROQUOIS	56.4	9-25	1.3	38	2650	56.3	37.0	19.0	434
HOEGEMEYER	380	55.5	9-30	1.3	37	2710	56.3	36.6	18.7	424
TERRA	TS415	55.3	10- 2	1.7	40	3010	56.3	35.4	19.2	420
AA---	HAMILTON	55.1	10- 2	1.6	36	2530	57.0	36.3	19.3	424
AA---	NE 3396	54.6	9-27	1.2	33	2930	56.3	37.9	18.5	426
HOEGEMEYER	401	53.7	10- 3	1.4	37	2780	56.3	36.2	19.0	412
WILLCROSS	92	52.5	10- 2	1.2	36	2820	56.7	36.3	19.0	402
Average all entries		55.7	9-29	1.4	36	2740	56.4	36.4	19.0	427
Dif. Req. for Sig. 5%		1.2	1	0.1	1	60	NS	0.3	0.1	9
25%		0.7	1	0.1	1	40	NS	0.2	0.1	5
Four Year Averages										
MERSHMAN	FILLMORE IV	58.8	9-27	1.4	35	2470	56.3	35.9	18.7	428
HOEGEMEYER	380	55.7	9-28	1.7	36	2640	56.0	36.3	18.7	407
AA---	HAMILTON	54.7	9-30	2.0	36	2470	56.8	36.1	19.4	404
HOEGEMEYER	401	53.8	9-30	1.7	36	2710	56.0	35.8	19.2	395
Average all entries		55.8	9-29	1.7	36	2570	56.3	36.0	19.0	409
Dif. Req. for Sig. 5%		0.9	1	0.1	NS	50	NS	NS	0.1	7
25%		0.5	1	0.1	1	30	NS	0.1	0.1	4
Five Year Averages										
HOEGEMEYER	380	55.7	9-29	1.8	36	2680	56.2	36.3	18.6	399
AA---	HAMILTON	54.3	10- 1	2.1	35	2520	56.6	36.1	19.2	393
HOEGEMEYER	401	53.6	10- 1	1.7	36	2750	56.0	35.9	19.0	385
Average all entries		54.5	9-30	1.9	36	2650	56.3	36.1	18.9	392
Dif. Req. for Sig. 5%		NS	1	0.1	NS	20	NS	NS	0.1	NS
25%		NS	1	0.1	1	10	NS	0.1	0.1	NS

Central Irrigated Soybean Variety Test

Valley County - 1997



Brand	Variety	Average yield bu/a	Lodging rating	Plant Height inches	Seeds /lb
KRUGER	K-3132	70.6	1.3	36	2330
KRUGER	K-2727+	69.3	1.5	33	2330
DE SOY	D-3232+	68.3	1.1	34	2410
AA---	NE 2496	67.7	1.3	31	2350
MIDLAND	8287	67.6	1.5	34	2420
MIDLAND	8242	66.6	1.3	30	2390
KRUGER	K-3032	66.5	1.1	33	2310
KRUGER	K-2995	65.8	1.0	32	2610
DYNA-GRO	3304	65.1	1.4	37	2340
STINE	2870	64.5	1.5	34	2310
CROW'S	32003	64.5	1.5	34	2300
KRUGER	K-3040	64.0	1.5	34	2440
AA---	IA 2021	63.8	2.4	32	2330
DESOY	D-3333+	63.3	1.5	36	2350
DE SOY	D-3032+	63.3	1.5	35	2160
AA---	CONRAD	63.0	1.8	34	2450
DE SOY	D-3230	62.8	1.8	35	2380
AA---	PROBST	62.1	2.3	35	2360
AA---	COLFAX	61.9	1.1	30	2130
AA---	IA 2022	61.6	1.8	40	2440
AA---	U94-2306	61.6	1.8	38	2410
AA---	ODELL	61.4	1.8	37	2400
AA---	SAVOY	61.2	1.3	33	2210
AA---	KENWOOD 94	60.8	1.9	35	2600
AA---	OLYMPUS	60.7	1.5	34	2500
AA---	NE 3297	60.4	1.5	41	2210
CROW'S	33003	60.4	2.0	36	2490
AA---	HOLT	60.3	1.0	30	2410
AA---	APOLLO	59.9	1.8	37	2340
DE SOY	D-3000	59.9	1.8	37	2250
MIDLAND	8321	59.4	1.1	39	2330
NUPRIDE	NEMAHA	59.1	2.1	36	2270
AA---	ATHOW	59.1	1.1	35	2470
NUPRIDE	IROQUOIS	58.4	1.6	41	2480
AA---	CHAPMAN	58.4	1.6	35	2010
AA---	NE 3396	57.7	1.4	34	2500
AA---	RESNIK	56.2	1.6	36	2470
AA---	DUNBAR	55.1	1.6	38	2480
Average all entries		62.3	1.5	35	2370
Dif. Req. for Sig5%		4.6	0.4	3	100
25%		2.7	0.2	2	60

Central Irrigated Soybean Variety Tests 1993 - 1997



Brand	Variety	Average bu/a	Lodging rating	Plant height inches	Seeds /lb
Two Year Averages					
STINE	2870	62.7	1.3	35	2380
AA---	NE 2496	61.8	1.6	35	2290
AA---	COLFAX	61.6	1.2	32	2110
AA---	CONRAD	60.8	1.7	36	2400
AA---	SAVOY	60.5	1.2	34	2280
AA---	IA 2021	60.2	1.9	33	2260
AA---	ATHOW	59.8	1.1	37	2490
AA---	NE 3297	59.6	1.6	45	2200
NUPRIDE	NEMAHA	58.5	1.8	38	2330
AA---	ODELL	58.2	2.0	40	2440
AA---	IA 2022	58.2	1.6	42	2420
AA---	CHAPMAN	58.1	1.5	38	2090
AA---	HOLT	57.5	1.2	33	2270
AA---	PROBST	57.3	1.9	38	2480
NUPRIDE	IROQUOIS	57.2	1.6	42	2540
AA---	NE 3396	57.1	1.7	36	2580
AA---	KENWOOD 94	56.6	1.7	36	2560
AA---	DUNBAR	54.4	1.3	40	2560
AA---	RESNIK	53.7	1.6	39	2560
Average all entries		58.6	1.5	37	2380
Dif. Req. for Sig. 5%		NS	NS	1	100
25%		1.5	NS	1	60
Three Year Averages					
AA---	CONRAD	56.4	1.6	35	2480
AA---	COLFAX	56.3	1.1	29	2160
AA---	NE 2496	55.4	1.5	34	2360
AA---	CHAPMAN	54.2	1.4	36	2170
AA---	HOLT	53.7	1.1	33	2300
NUPRIDE	NEMAHA	53.1	1.7	37	2480
AA---	ODELL	52.8	2.0	39	2600
AA---	KENWOOD 94	52.8	1.6	35	2590
NUPRIDE	IROQUOIS	52.4	1.6	40	2630
AA---	PROBST	51.7	1.9	36	2660
AA---	NE 3396	51.2	2.9	34	2730
AA---	DUNBAR	50.0	1.4	38	2660
AA---	RESNIK	49.3	1.5	37	2730
Average all entries		53.0	1.7	36	2580
Dif. Req. for Sig. 5%		2.0	NS	1	100
25%		1.1	NS	1	60
Continued on page 2					

Central Irrigated Soybean Variety Tests

1993 - 1997 Page 2



Brand	Variety	Average bu/a	Lodging rating	Plant height inches	Seeds /lb
Four Year Averages					
AA---	CHAPMAN	56.1	1.4	35	2180
AA---	CONRAD	55.9	1.5	35	2480
AA---	PROBST	54.9	1.9	36	2710
AA---	COLFAX	54.5	1.1	28	2190
AA---	KENWOOD 94	53.5	1.7	36	2610
AA---	DUNBAR	53.4	1.4	37	2700
AA---	HOLT	53.2	1.2	32	2310
AA---	RESNIK	52.9	1.5	36	2740
Average all entries		54.3	1.5	34	2490
Dif. Req. for Sig. 5%		NS	0.1	1	90
25%		NS	0.1	1	50
Five Year Averages					
AA---	CONRAD	55.7	1.5	34	2420
AA---	CHAPMAN	55.1	1.4	35	2100
AA---	KENWOOD 94	54.3	1.7	36	2670
AA---	COLFAX	54.1	1.1	27	2260
AA---	DUNBAR	53.7	1.4	37	2640
AA---	HOLT	53.2	1.2	32	2360
AA---	RESNIK	52.4	1.4	36	2810
Average all entries		54.0	1.4	34	2460
Dif. Req. for Sig. 5%		NS	0.1	1	110
25%		NS	0.1	1	70

Roundup Ready Soybean Variety Tests

Clay County - 1997



Brand	Variety	Yield Average bu/a	Maturity date	Plant Height inches	Seeds /lb	Protein %	Oil %	EPVA \$/a
DYNA-GRO	186 RR	66.4	9-13	31	2960	38.4	18.7	554.44
DE SOY	E-280RR	65.5	9-12	31	2870	38.3	18.9	548.23
PRAIRIE BRAND	PB-2600RR	65.1	9-14	38	2780	37.8	19.6	545.54
MERSHMAN	CHICKASAW IIRR	62.6	9-16	38	2840	38.1	19.5	527.09
MIDLAND	8342 RR	62.1	9-26	41	3230	38.1	18.5	514.19
LG SEEDS	LG6345RR	61.9	9-26	38	3110	38.7	18.0	513.77
LG SEEDS	LG6241RR	61.7	9-10	34	2660	36.7	19.8	509.64
KSC/CHALLENGER	K-262RR	61.5	9-13	35	2560	37.3	19.7	511.68
WILLCROSS	RR2397	61.1	9-26	38	3080	38.6	18.5	511.41
LG SEEDS	LG6285RR	61.0	9-11	36	3180	37.8	18.4	501.42
KSC/CHALLENGER	K-255RR	61.0	9-10	33	3020	38.4	18.0	504.47
MIDLAND	8241 RR	60.9	9-10	32	2640	36.7	19.8	501.82
KAUP SEED	205 R	60.7	9-10	35	3110	38.4	19.2	511.09
DE SOY	E-288	59.6	9-14	35	3290	38.1	18.9	497.06
MIDLAND	8284 RR	59.5	9-15	31	3090	37.2	19.3	490.88
MID-STATES SEED	281R	59.4	9-15	30	3210	36.9	19.7	491.24
MID-STATES SEED	251R	59.3	9-13	31	3030	36.8	19.8	490.41
HOEGEMEYER	249 RR	59.3	9-11	31	2730	36.7	19.8	489.22
STINE	X314	59.1	9-18	38	3060	38.2	18.4	489.35
DE SOY	E-282RR	59.0	9-10	35	3080	37.8	18.8	489.11
LATHAM	EX-336RR	58.9	9-11	38	2850	36.0	19.5	477.09
KSC/CHALLENGER	K-252RR	58.9	9-12	32	3030	38.3	18.9	492.99
KAUP SEED	264 R	58.7	9-15	38	2980	38.1	19.1	490.73
MID-STATES SEED	342R	58.5	9-26	39	3160	39.5	18.5	497.25
LATHAM	EX-816RR	58.3	9-11	36	2860	38.8	18.9	492.05
DE SOY	E-284RR	58.3	9-11	37	2830	38.2	18.8	486.22
HOEGEMEYER	349 RR	57.5	9-25	37	3170	38.5	18.2	477.83

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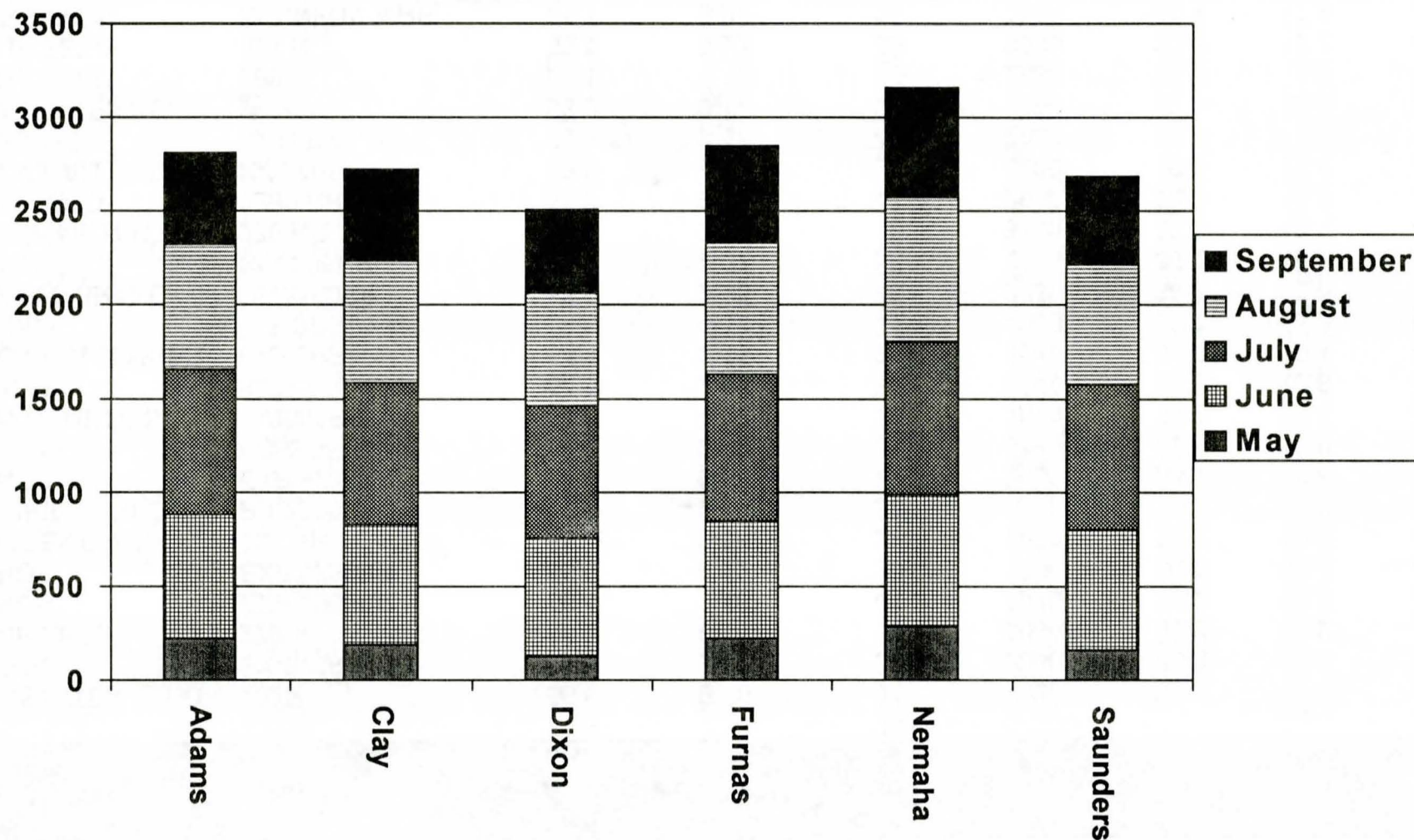
Roundup Ready Soybean Variety Tests

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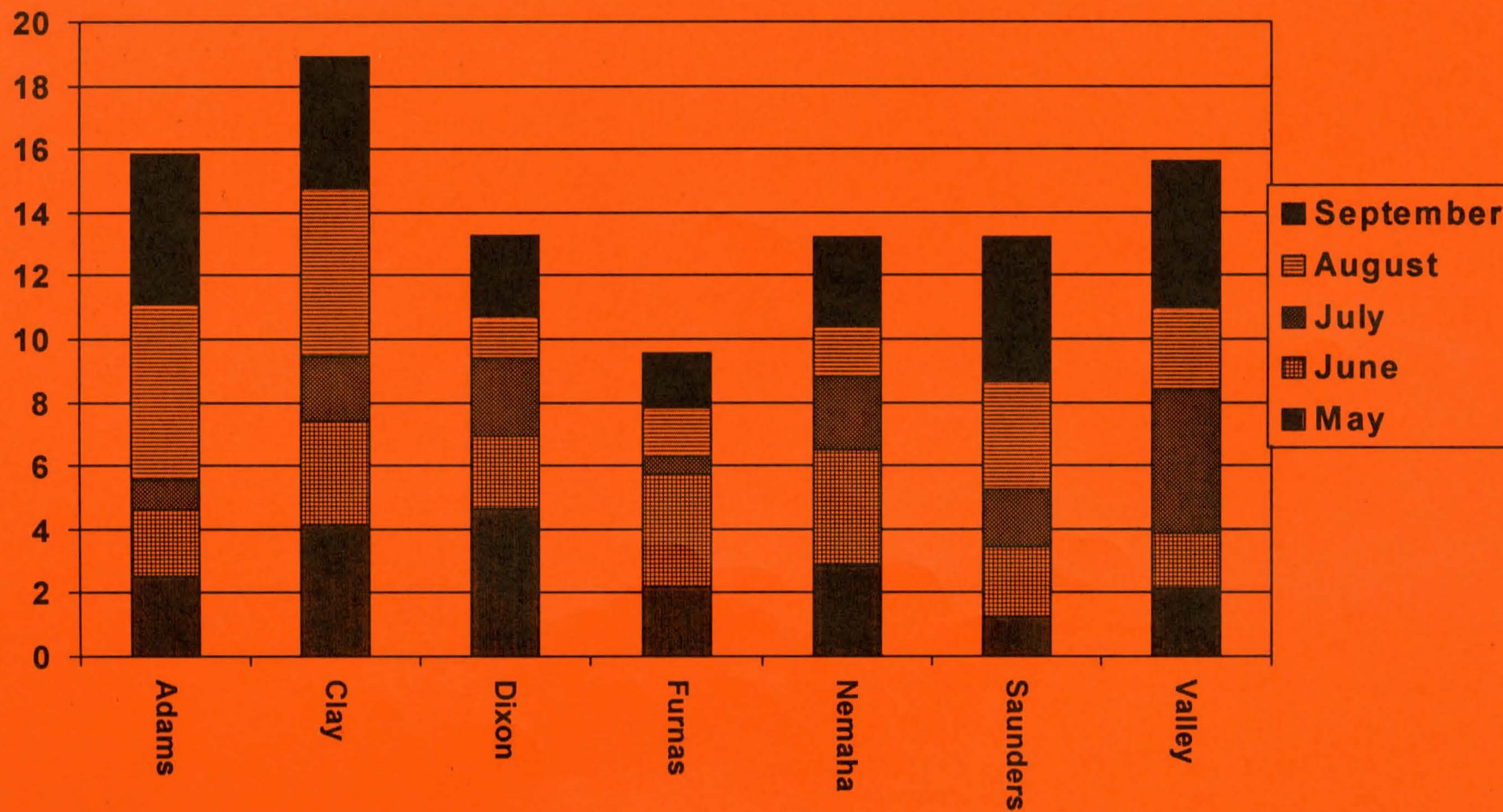


Brand	Variety	Yield Average bu/a	Maturity date	Plant Height inches	Seeds /lb	Protein %	Oil %	EPVA \$/a
MID-STATES SEED	232R	56.6	9-10	34	2920	36.6	19.8	465.82
LATHAM	EX-676RR	56.3	9-12	33	3080	38.3	18.8	471.23
KAUP SEED	278 R	56.2	9-11	38	3030	38.6	18.2	468.15
SANDS	EXP 2955RR	56.1	9-16	41	2970	39.2	18.3	472.92
SANDS	EXP 9729RR	55.9	9-12	30	3000	36.8	19.6	460.62
HOEGEMEYER	381 RR	55.4	9-28	39	3000	39.5	18.0	467.58
PRAIRIE BRAND	PB-2320RR	55.0	9-14	35	3220	38.3	18.9	459.80
SANDS	EXP 9736RR	54.9	9-28	42	2900	38.1	18.6	455.67
LG SEEDS	LG6374RR	54.7	9-18	41	3140	39.6	17.8	460.57
M/W GENETICS	G-3608RR	54.6	9-27	38	2870	38.7	18.1	455.36
MIDLAND	8377 RR	54.5	9-26	35	2940	37.8	18.6	449.08
KSC/CHALLENGER	K-260RR	54.4	9-11	28	2940	36.9	19.4	446.62
DE SOY	E-299RR	54.0	9-17	41	2950	38.7	18.8	454.14
PRAIRIE BRAND	PB-3100RR	53.9	9-15	40	3030	38.6	18.6	451.68
SANDS	SOI 306RR	53.7	9-27	38	2960	39.3	18.2	452.69
HOEGEMEYER	279 RR	53.7	9-14	30	3150	37.5	19.1	445.17
DYNA-GRO	3289 RR	53.7	9-18	41	2940	38.9	18.8	454.30
KSC/CHALLENGER	K-277RR	53.5	9-12	39	3080	38.4	18.4	444.59
MIDLAND	8291 RR	53.4	9-17	40	2930	38.9	18.5	449.09
MID-STATES SEED	266R	53.2	9-12	28	3080	37.1	19.0	436.24
KAUP SEED	298 R	53.1	9-17	40	2880	39.0	18.6	447.63
KAUP SEED	357 R	53.1	9-27	39	3030	39.0	18.2	444.98
MERSHMAN	KENNEDY IVRR	51.7	9-27	36	2920	40.1	17.6	437.90
LG SEEDS	LG6293RR	51.6	9-16	40	3020	39.4	18.2	435.50
WILLCROSS	RR2357	50.7	9-28	38	3020	39.0	18.1	424.36
Average all entries		57.5	9-17	36	2990	38.2	18.8	479.20
Dif. Req. for Sig.	5%	6.5	2	2	280	0.7	0.6	73.00
	25%	3.8	1	1	160	0.4	0.3	42.00

Average heat unit accumulation (base 50 F) by month for soybean test locations



Precipitation in inches by months for soybean test locations





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